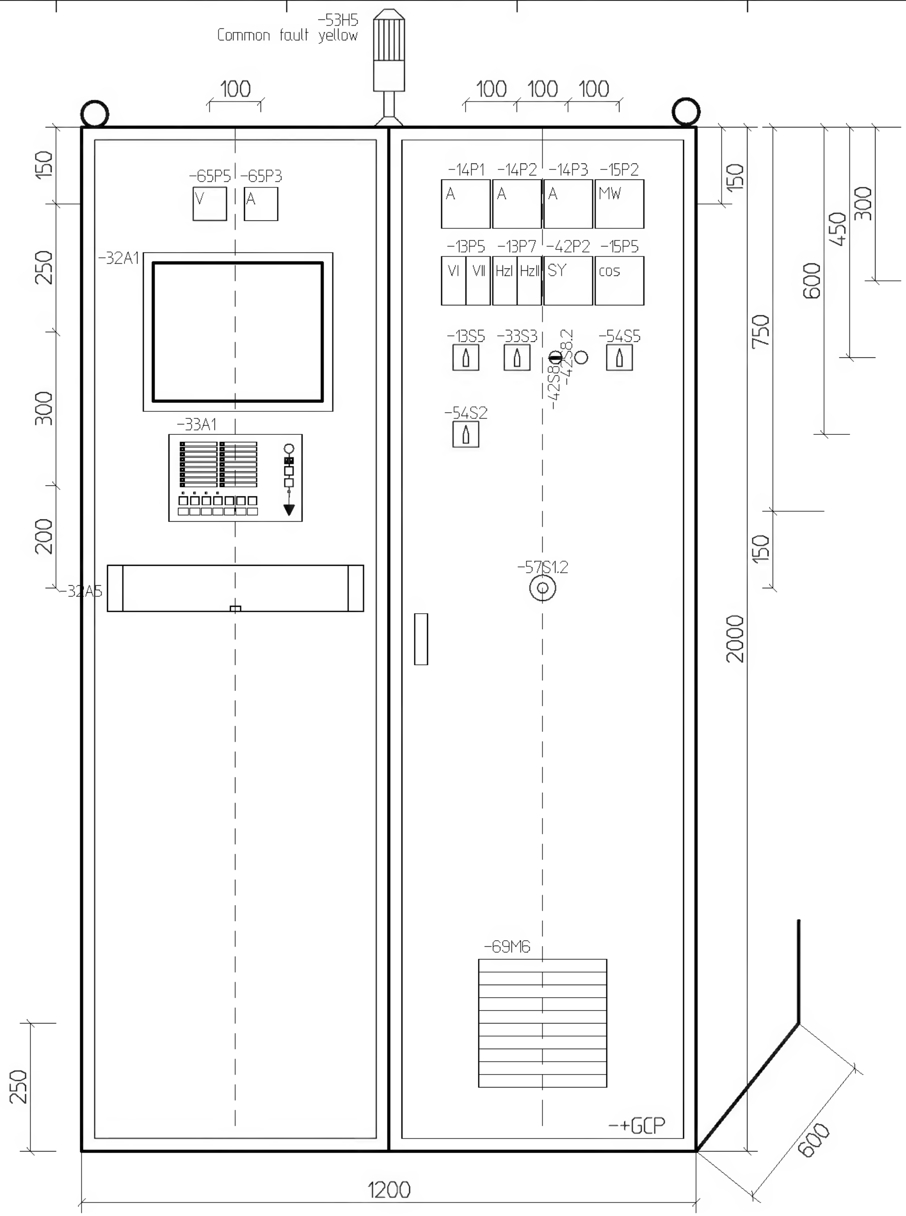


legend

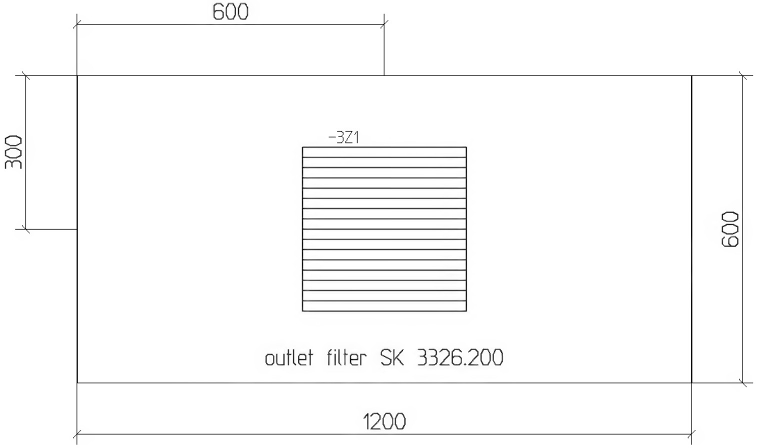
-32A5	Keyboard with touch pad ((84TE 2HE))
-32A1	KPC 01 (335x265 KPC01*)
-33A1	oper. tableau ()
-53H5	Common fault ()
-69M6	panel fan (SK 3325)
-13P5	double v. gen./ bus bar (92x92)
-13P7	double f. gen./ bus bar (92x92)
-14P1	ammeter 0-1600A L1 (92x92)
-14P2	ammeter 0-1600A L2 (92x92)
-14P3	ammeter 0-1600A L3 (92x92)
-15P5	generator powerfactor (92x92)
-42P2	synchronoscope and locking relay (92x92)
-65P5	battery voltmeter (92x92)
-65P3	battery ammeter (92x92)
-13S5	voltmeter selector switch (Ø22,5)
-42S8.1	selecting switch synchronizer (Ø22,5)
-42S8.2	manual synchr. push button (Ø22,5)
-54S5	operat.pre-select 0-1-2 (Ø22,5)
-57S1.2	emergency stop (Ø22,5)
-33S3	speed adjusting (only synch.) (Ø22,5)
-54S2	selecting switch Diesel/HFO (Ø22,5)

panel	: TS8206.600
colour	: RAL 7032
cable enntry	: bottom
protec. degree	: IP 42
standard	: EN 60 439 Part 1: 2000
roof	: permanent mounting

Bildbeschreibung
IMAGE DESCRIPTION

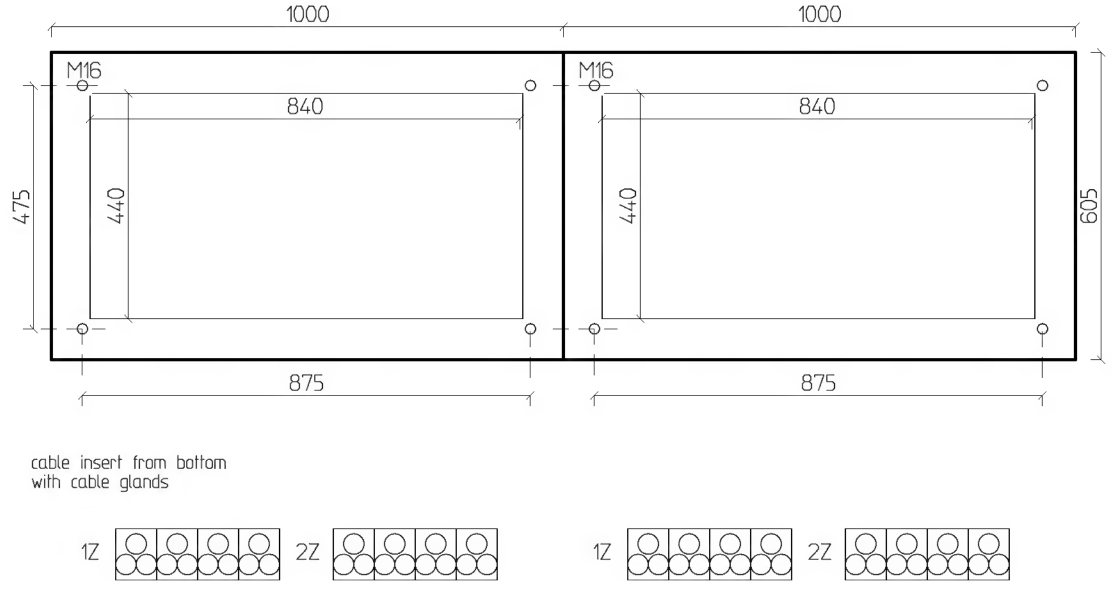
Panel front view

Index	changing	Date	name						
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501 / =DPP +GCPS1
				Desig.	A. Stellmann				
				Check	A. Stellmann				43730 / 437300 / page 1
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03		72 BL



Bildbeschreibung
IMAGE DESCRIPTION
Top view

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines		KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501		=DPP +GCPS1
				Desig.	A. Stellmann							
				Check	A. Stellmann					43730	437300	page 2
Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03				72 BL



-3Z7.1 cable inserting for 4 cable glands
-3Z7.2 cable inserting for 4 cable glands
-3Z7.3 Cable gland 3x21
-3Z7.4 Cable gland 3x21
-3Z7.5 Cable gland 3x21
-3Z7.6 Cable gland 3x21
-3Z7.7 Cable gland Ø 3x21
-3Z7.8 Cable gland Ø 3x21
-3Z7.9 Cable gland Ø 3x21
-3Z7.10 Cable gland Ø 3x21

Cable gland Ø 8x13mm

Cable gland Ø 3x21mm

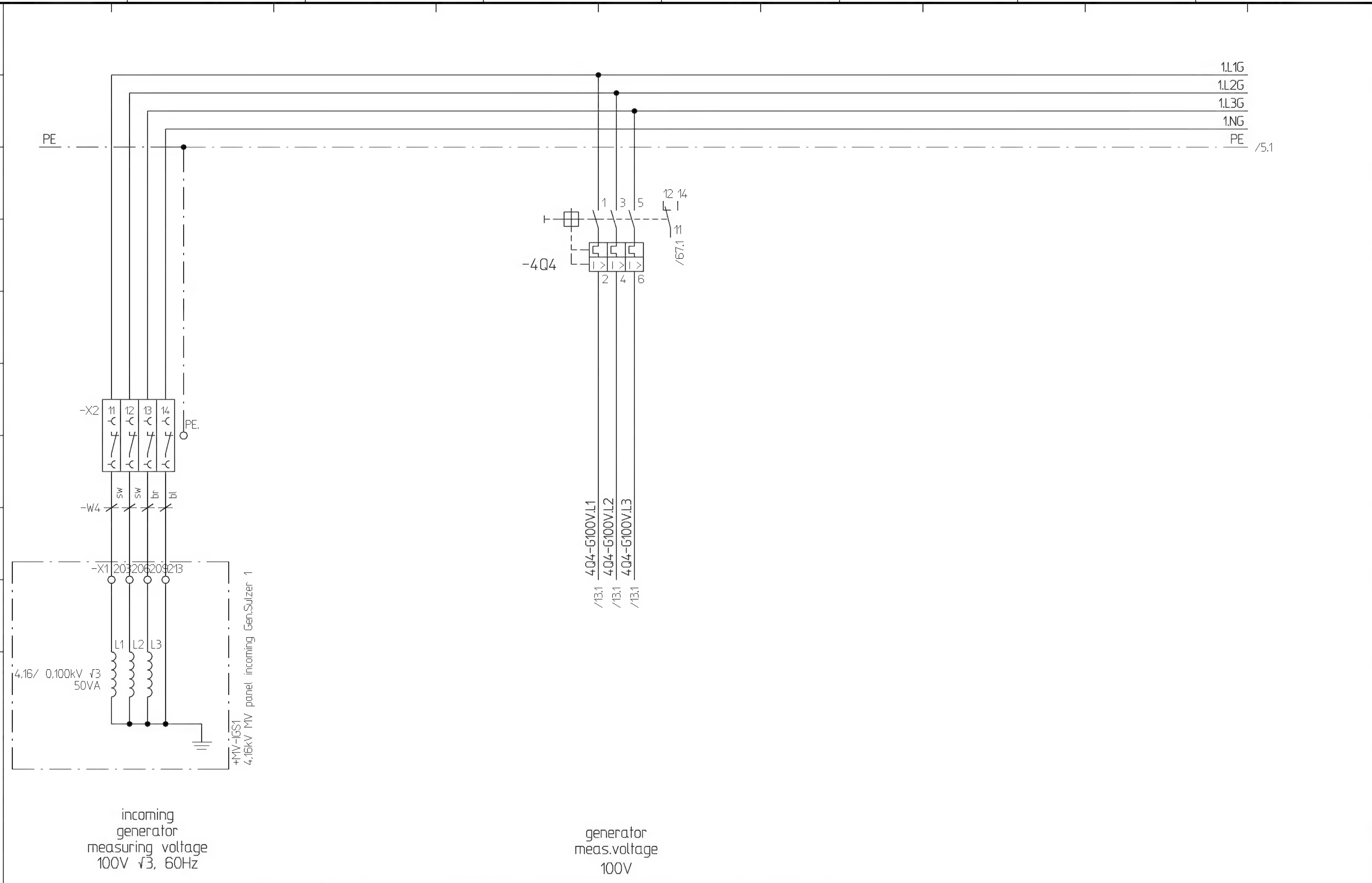
Cable gland Ø 1x47mm

Bildbeschreibung
IMAGE DESCRIPTION

Bottom view

Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPS1
Check	A. Stellmann			Generator control panel Sulzer 1	43730 / 437300	page 3
Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			72 Bl.

Index | changing | Date | name



Bildbeschreibung
IMAGE DESCRIPTION

generator voltage 4,16kV/100V √3, 60Hz

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

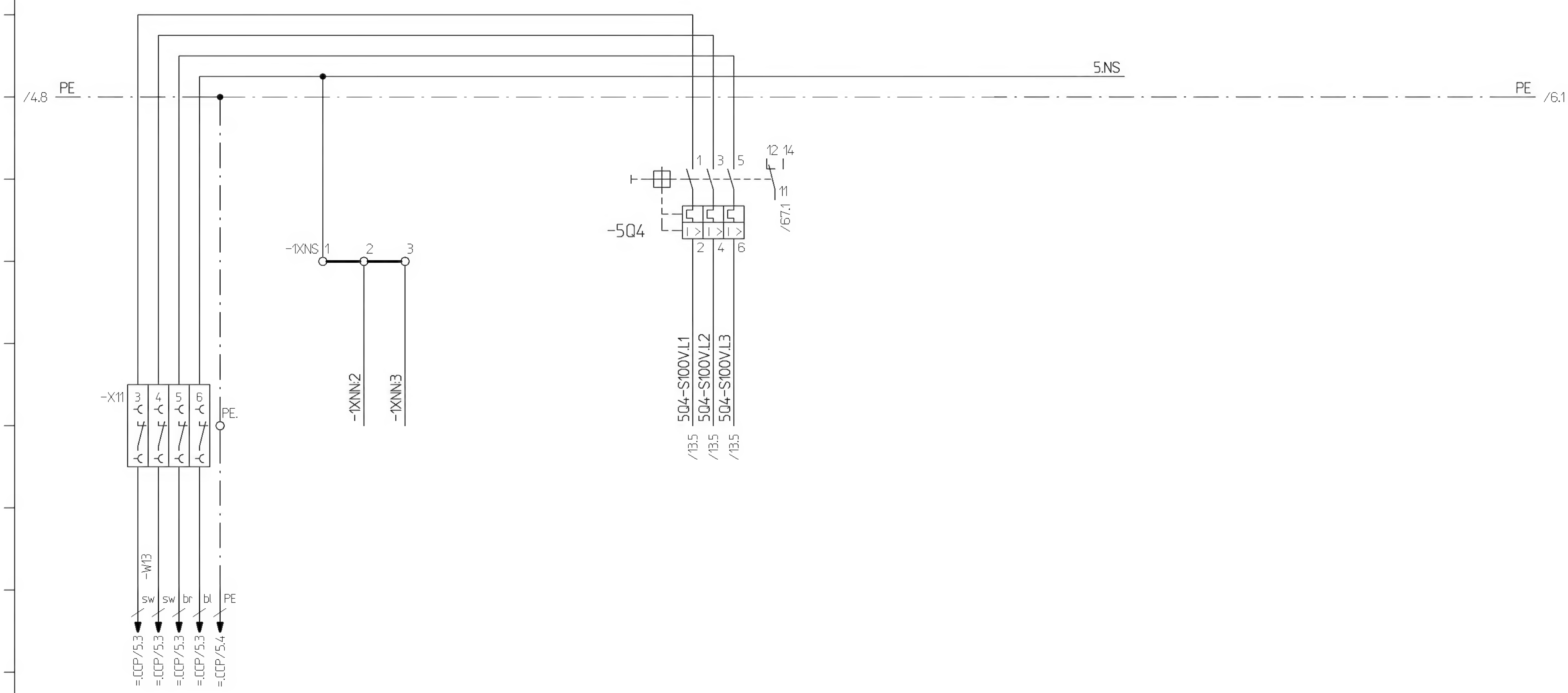
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 | 437300

=DPP
+GCPS1



incoming supply
busbar voltage
measurement voltage
4,16kV/100V √3, 60Hz
from +CCP

Bildbeschreibung
IMAGE DESCRIPTION

busbar voltage 4,16kV/100V√3,60Hz

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

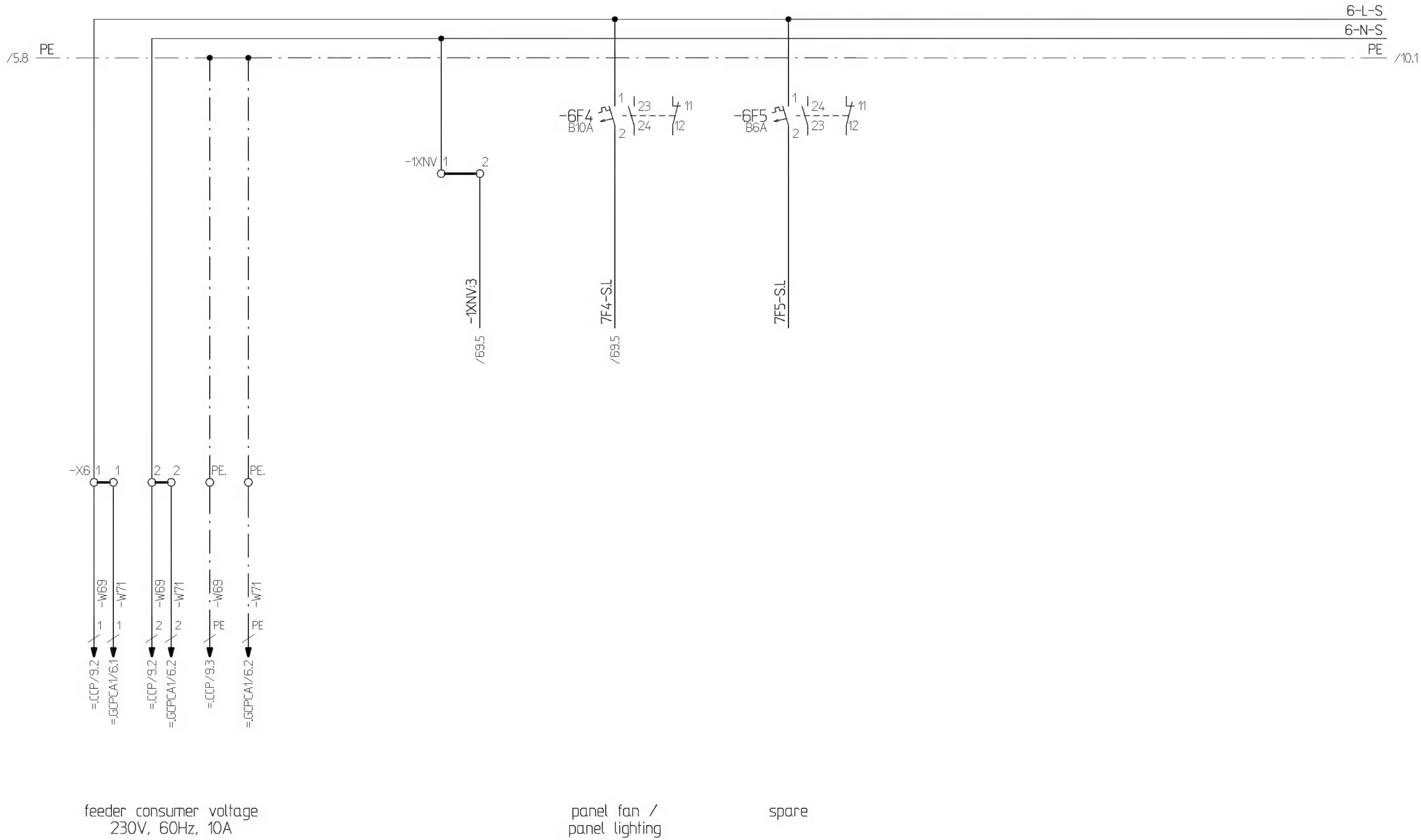
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 | 437300

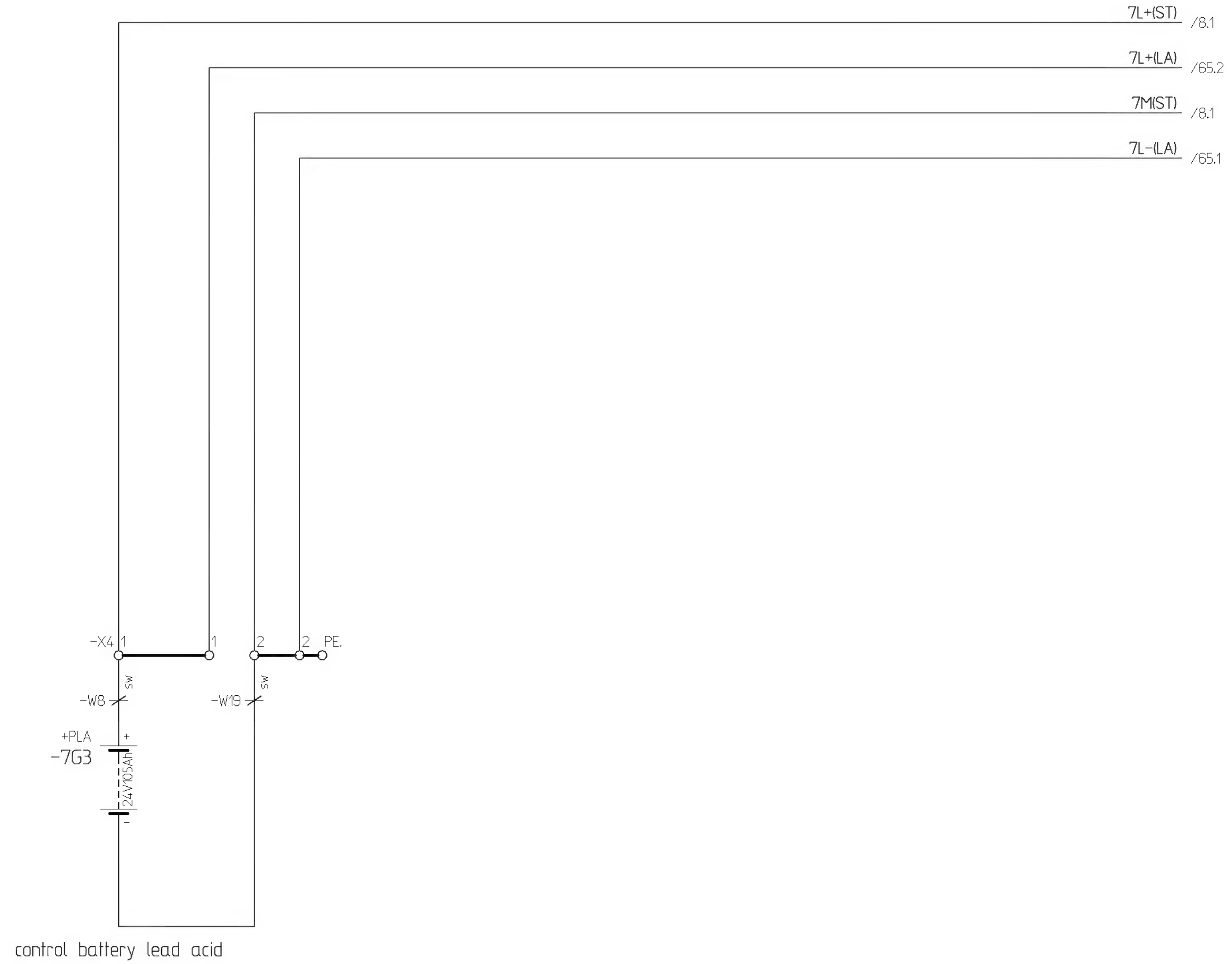
=DPP
+GCPS1



Bildbeschreibung
IMAGE DESCRIPTION

Consumer voltage 230V, 60Hz

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann				43730 437300	
				Check	A. Stellmann					
				Norm	33	Orig. / Ersf.	Ersd. 11.09.03			page 6 / 72 BL



Bildbeschreibung IMAGE DESCRIPTION

24V DC supply (control voltage)

Date	08.07.03
Desig.	A. Stellmann
Check	A. Stellmann
Norm	33

Index | changing | Date | name

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

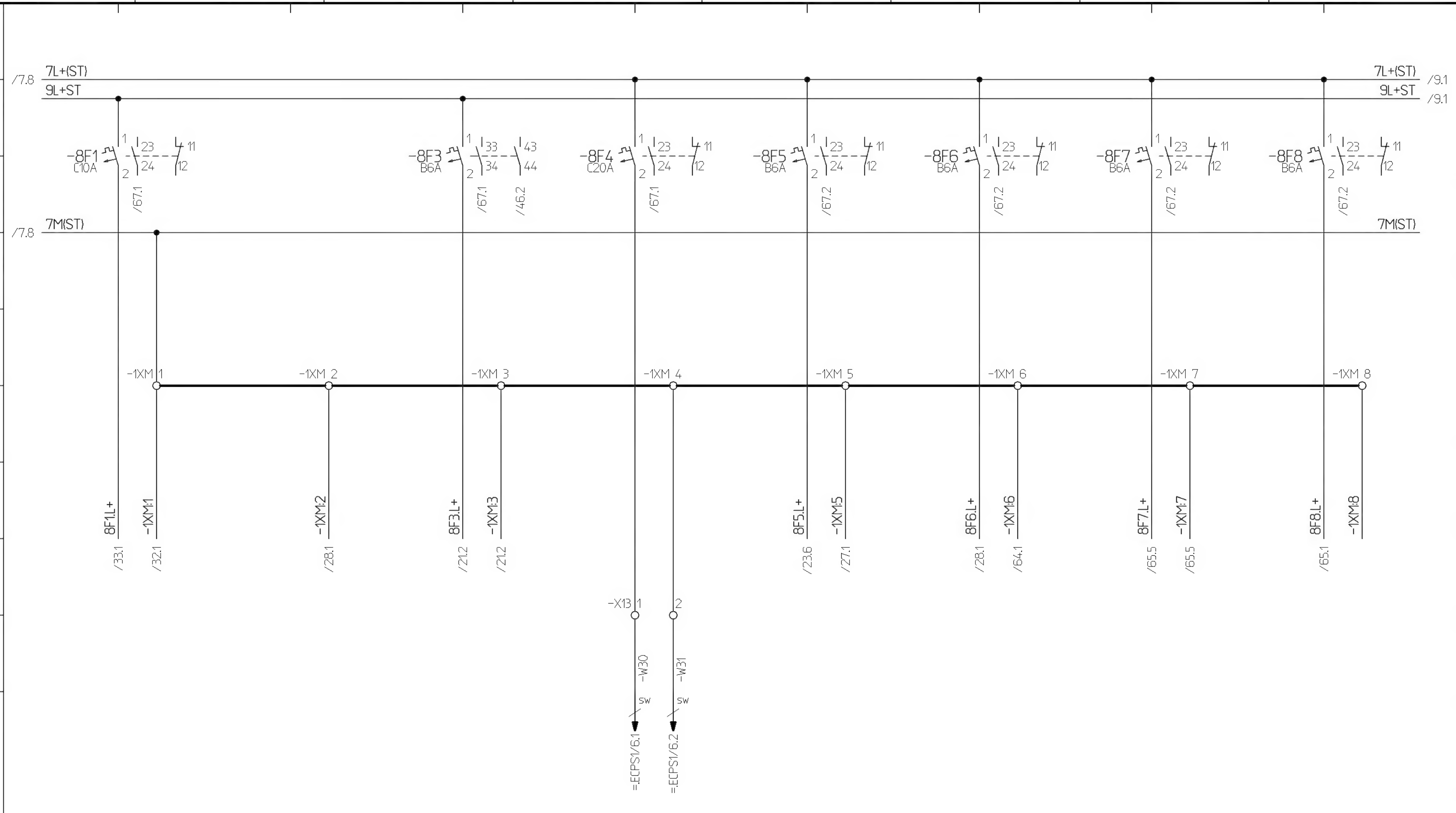
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 | 437300

=DPP
+GCPS1



power supply KMA 24VDC	voltage supply generator protect.units 24VDC	Feeder for s.b. +ECP 24VDC	voltage supply digital in/outputs KMA, battery control 24VDC	supply digital I/O extern VDC	battery control 24VDC	voltage supply sensors plant/engine 24VDC

Bildbeschreibung IMAGE DESCRIPTION: 24VDC voltage feeders

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

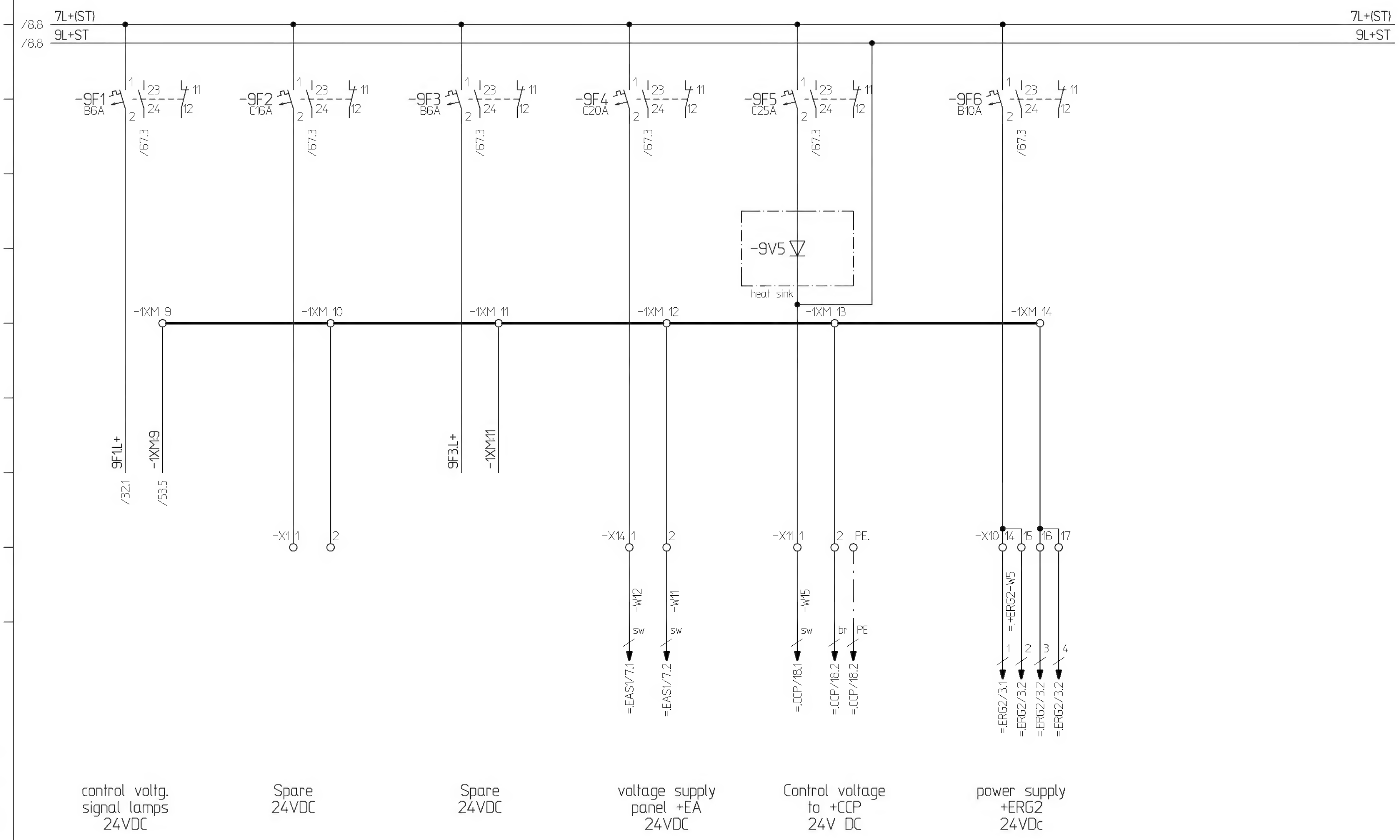
Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501 | 43730 | 437300

=DPP
+GCPS1



Bildbeschreibung
IMAGE DESCRIPTION

24VDC voltage feeders

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501
43730 | 437300

=DPP
+GCPS1



feeder
consumer voltage
440V, 60Hz, max.20A

Bildbeschreibung
IMAGE DESCRIPTION

consumer voltage 440V, 60Hz

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 10
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			72 BL

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. Ers.f. Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

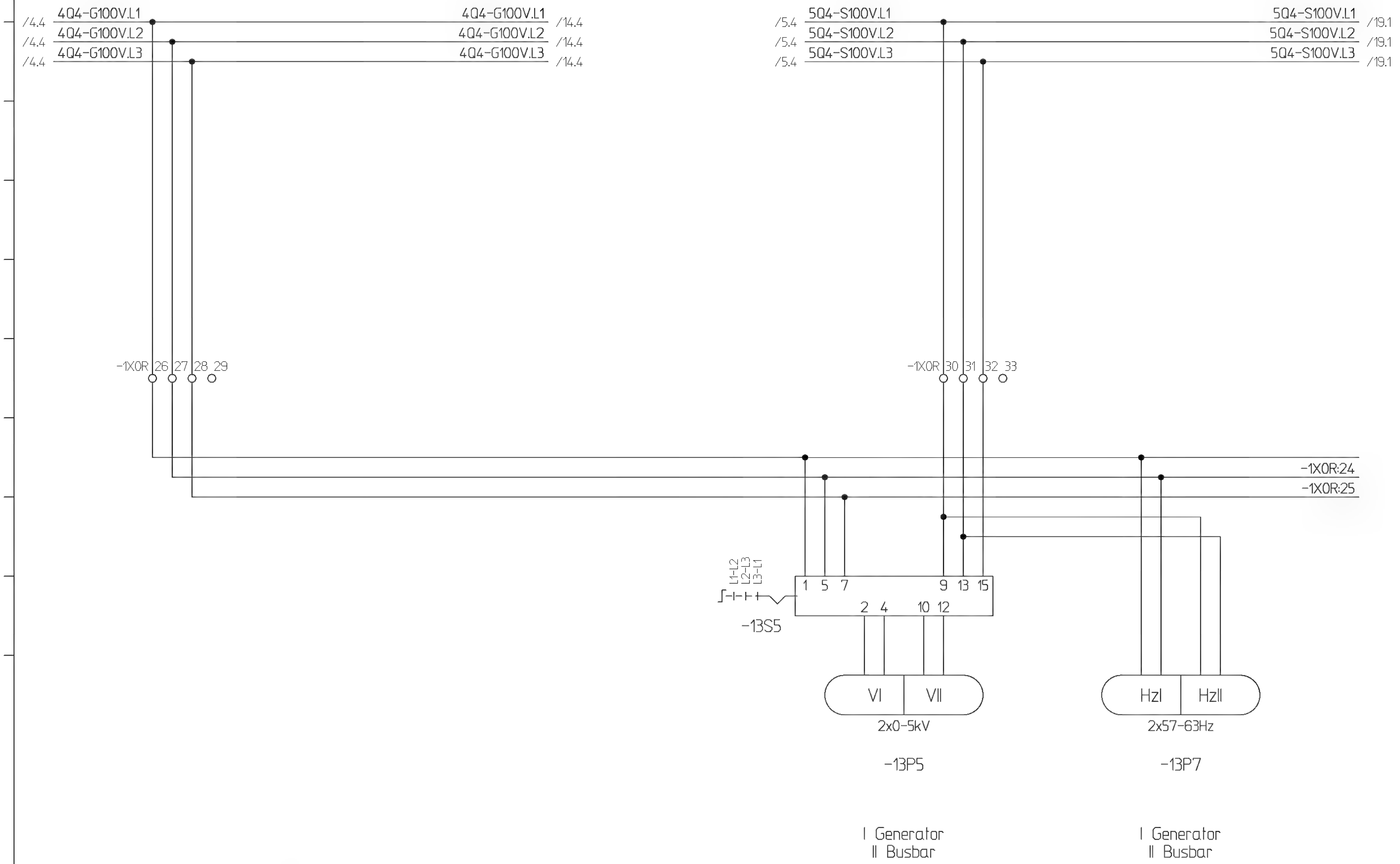
43730 437300

=DPP
+GCPS1

Bildbeschreibung
IMAGE DESCRIPTION

spare

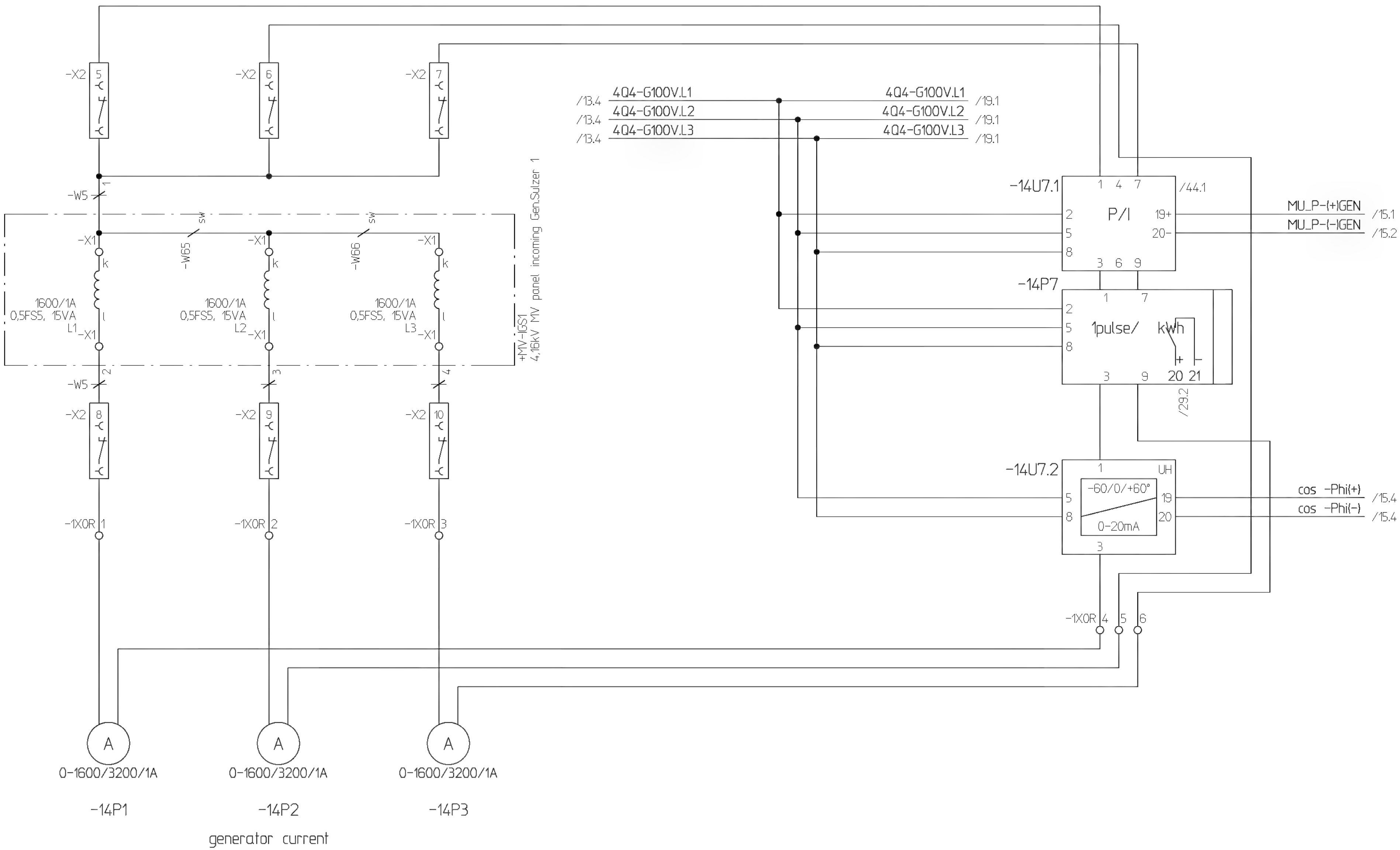
Index	changing	Date	name							
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann				43730	437300
				Check	A. Stellmann					page 12
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			72 BL



Bildbeschreibung
IMAGE DESCRIPTION

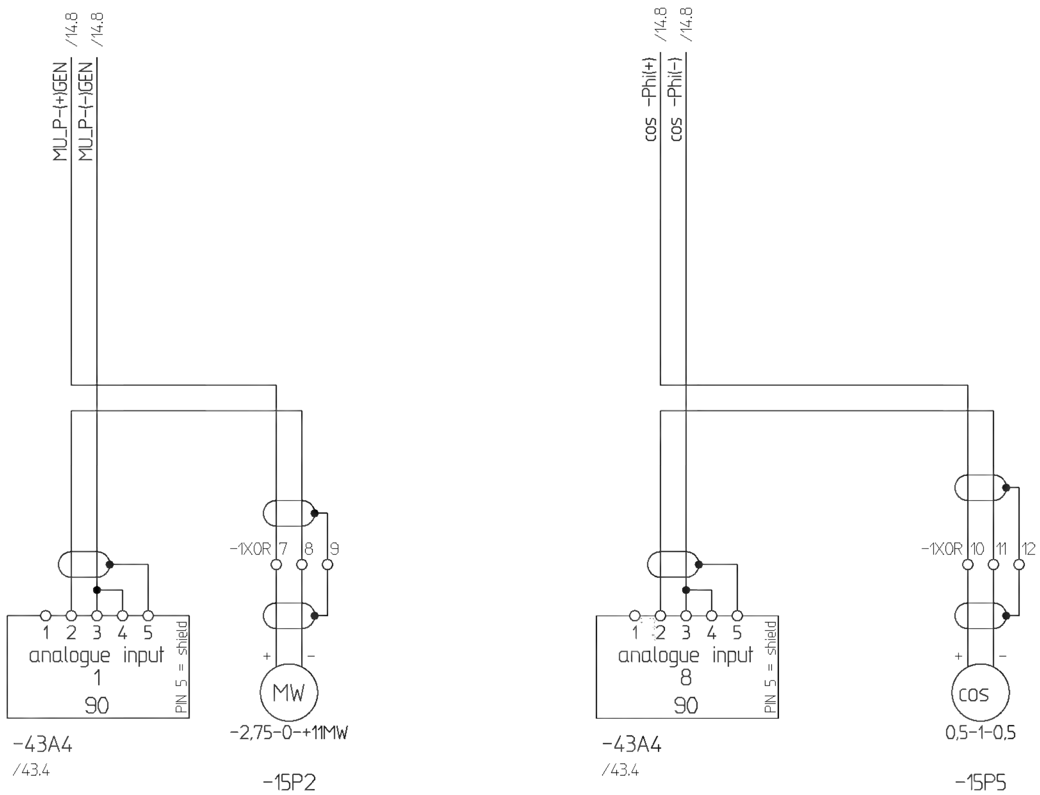
generator-voltage measuring

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 13 / 72 BL



Bildbeschreibung IMAGE DESCRIPTION: generator-current measuring

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann					
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03		43730 / 437300	page 14 / 72 BL



generator powerfactor
0-20mA = -0,5-0-+0,5

generator active power
0-4-20mA / -2750/0/+11000kW

generator powerfactor
0-20mA / -0,5-0-+0,5

Bildbeschreibung
IMAGE DESCRIPTION: generator-active power measuring

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ersf.	Ers.d. 11.09.03			page 15 / 72 BL

Bildbeschreibung
IMAGE DESCRIPTION spare

				Date	08.07.03	Elektrim-MEGADEX		KUHSE	DPP 5(7) Syn.	4500005501		=DPP
				Desig.	A. Stellmann	Monde Energy Philippines			MST 5"/10"PC			+GCPS1
				Check	A. Stellmann				Generator control panel Sulzer 1	43730	437300	page 16
Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03				72 BL

Bildbeschreibung
IMAGE DESCRIPTION
spare

Date	08.07.03
Desig.	A. Stellmann
Check	A. Stellmann
Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 | 437300

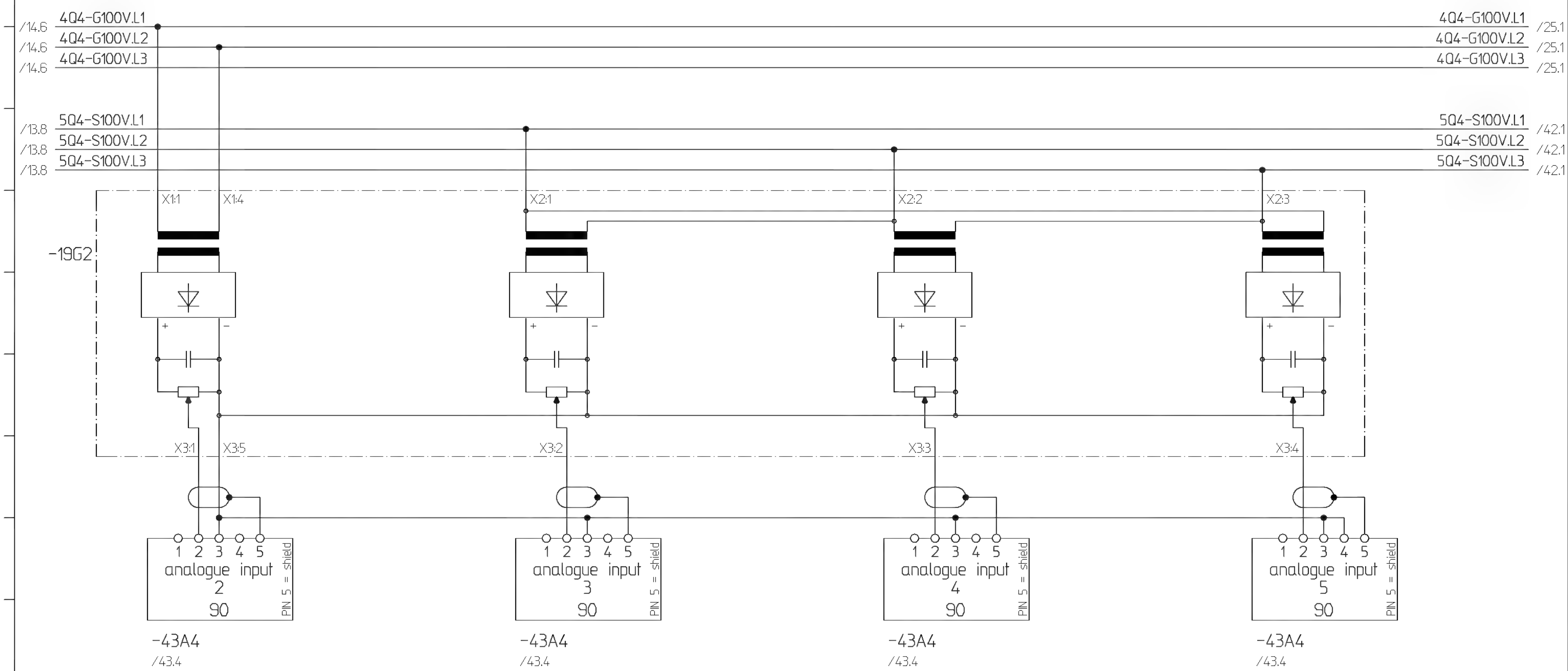
=DPP
+GCPS1

Index | changing | Date | name

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03				
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines		KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501		=DPP +GCPS1
				Desig.	A. Stellmann					43730	437300	page 18 / 72 BL
				Check	A. Stellmann							



generator voltage L1-L2
0-10V / 0-120V/0-4,992kV

busbar voltage L1-L2
0-10V / 0-120V/0-4,992kV

busbar voltage L2-L3
0-10V / 0-120V/0-4,992kV

busbar voltage L3-L1
0-10V / 0-120V/0-4,992kV

Bildbeschreibung
IMAGE DESCRIPTION

Generator- busbar measuring

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

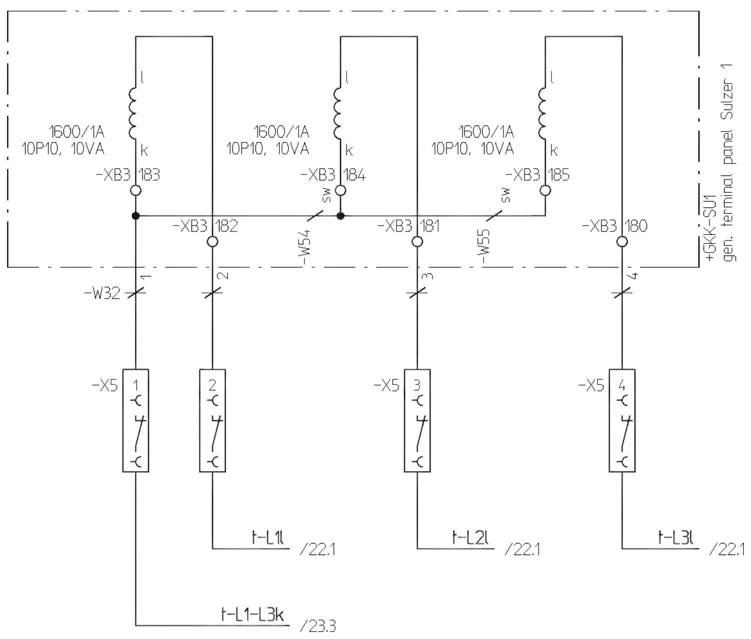
Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501
43730 | 437300

=DPP
+GCPS1



Bildbeschreibung
IMAGE DESCRIPTION

Gen. current transformer 10P10

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

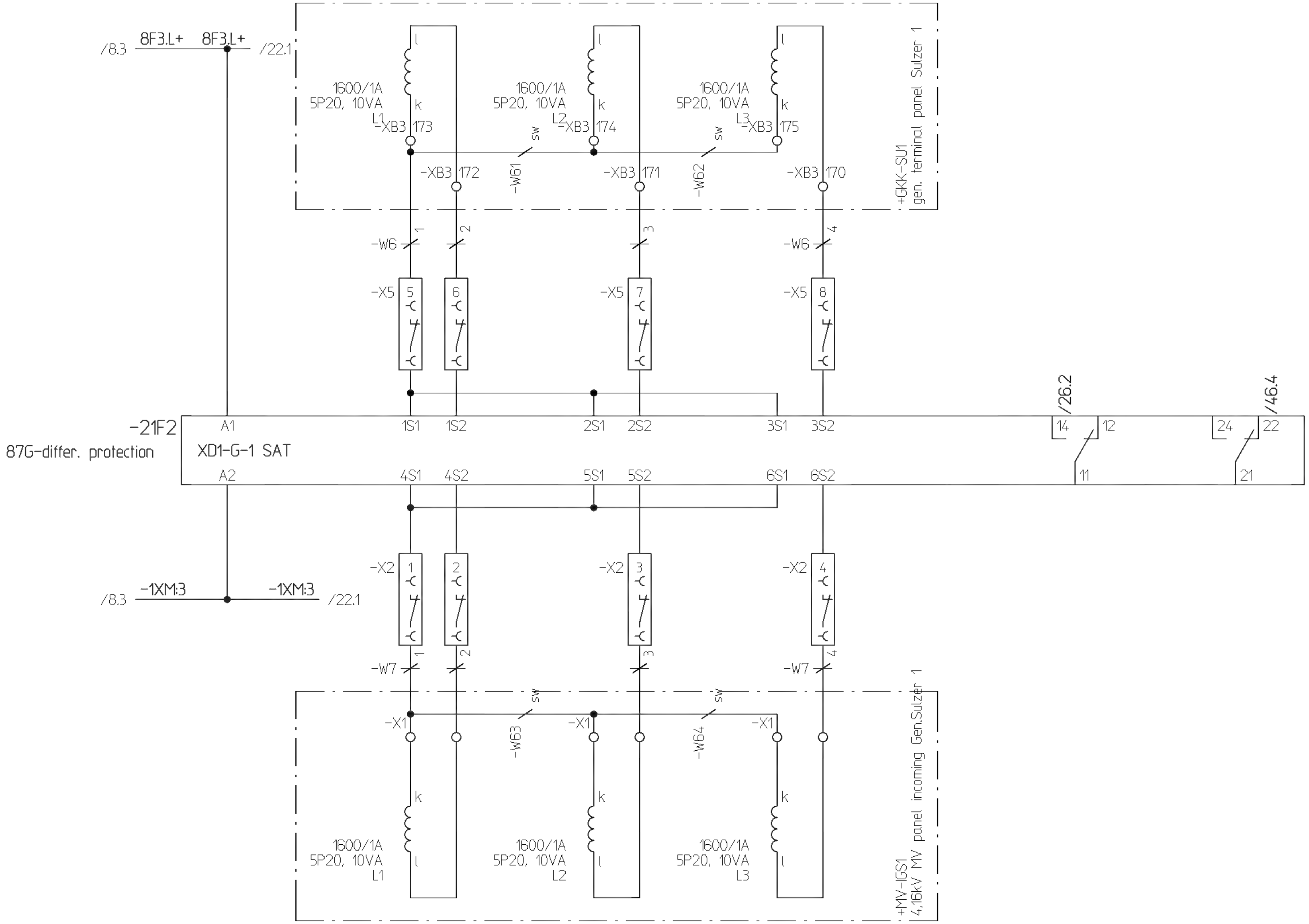
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 | 437300

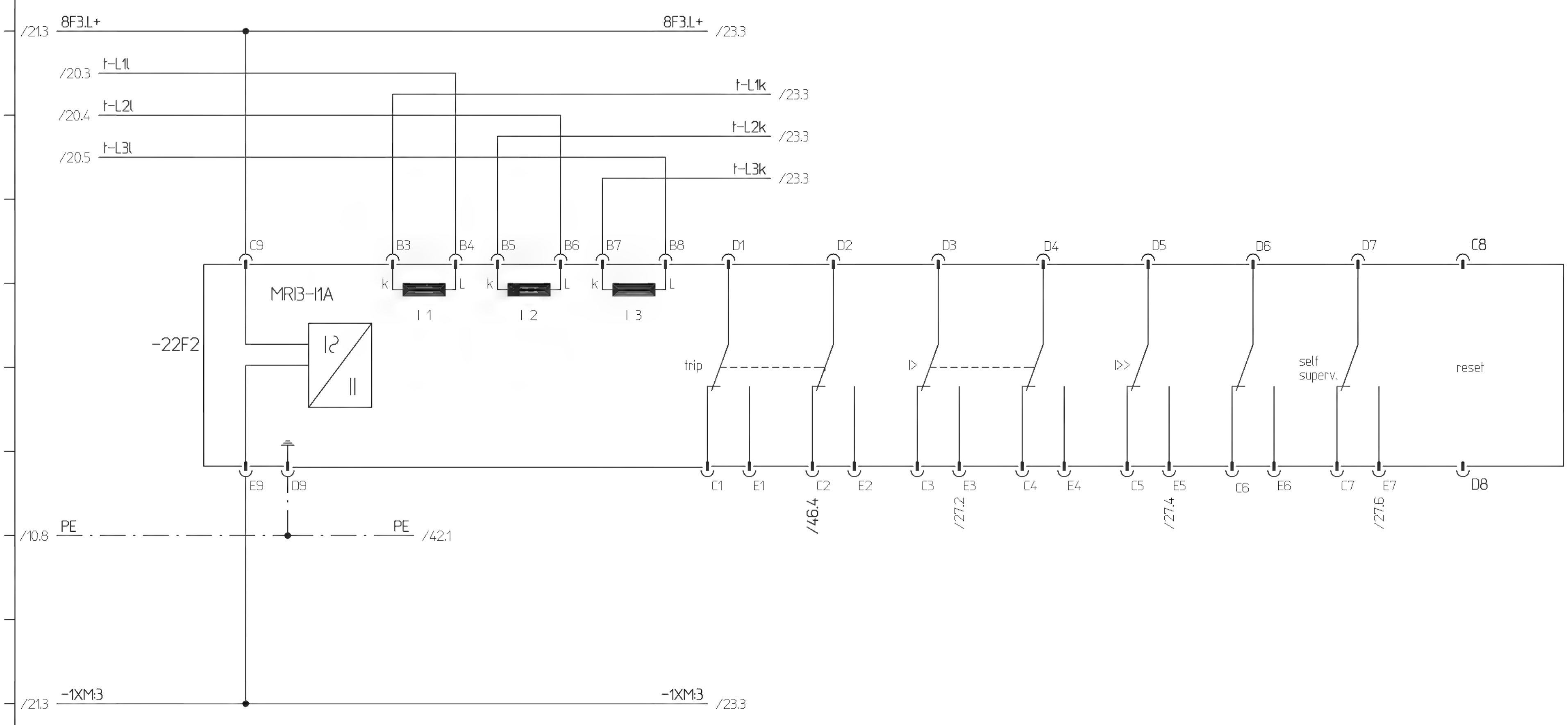
=DPP
+GCPS1



Bildbeschreibung
IMAGE DESCRIPTION

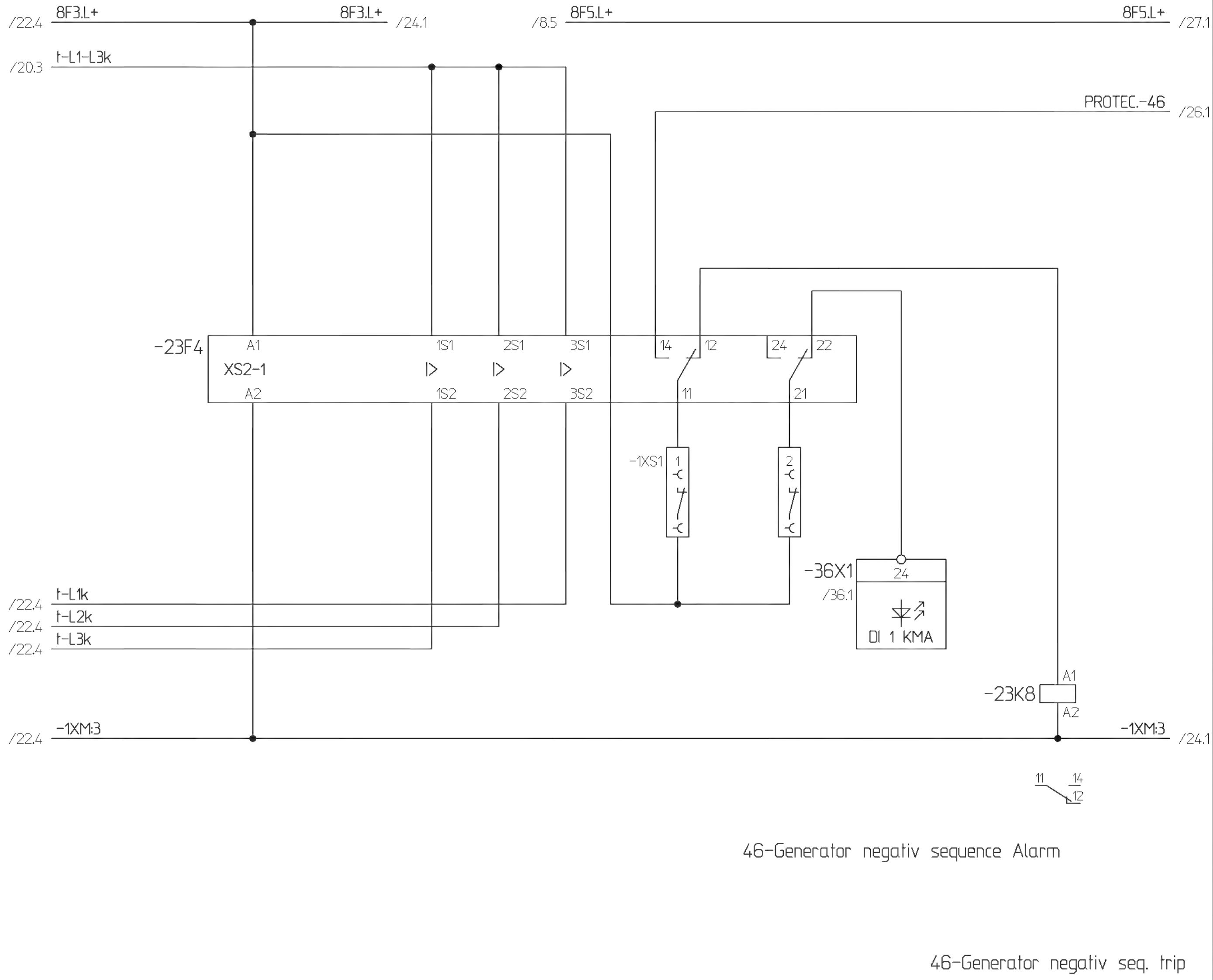
differential protect. relay (87G)

Index	changing	Date	name							
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 21 / 72 BL



Bildbeschreibung IMAGE DESCRIPTION: Gen. overcurrent (50),short circuit (51)

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03		page 22 / 72 BL



Bildbeschreibung IMAGE DESCRIPTION: Generator negativ seq. protection (46)

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

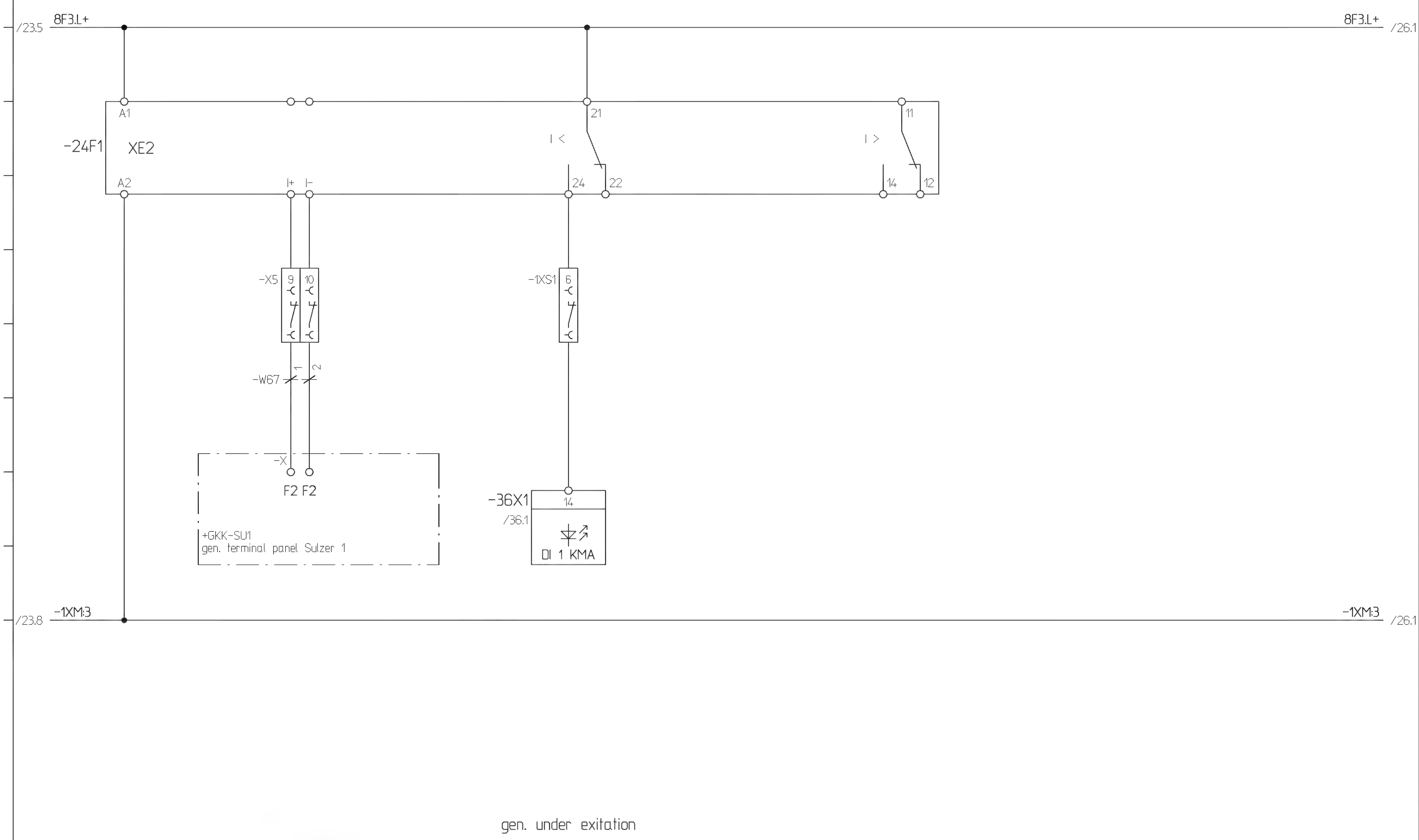
Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501
43730 | 437300

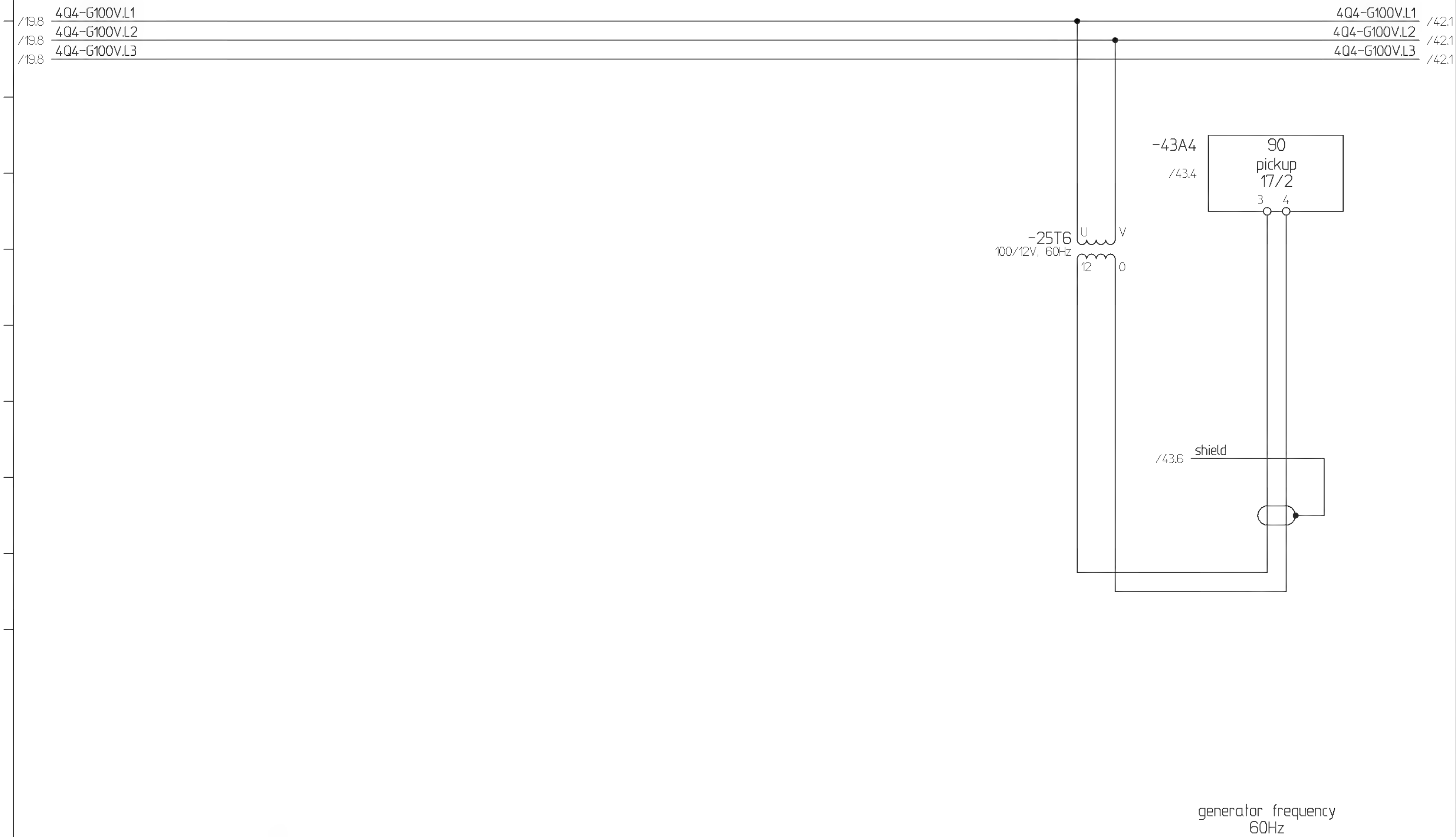
=DPP
+GCPS1



Bildbeschreibung
IMAGE DESCRIPTION

Generator excitation protection (40)

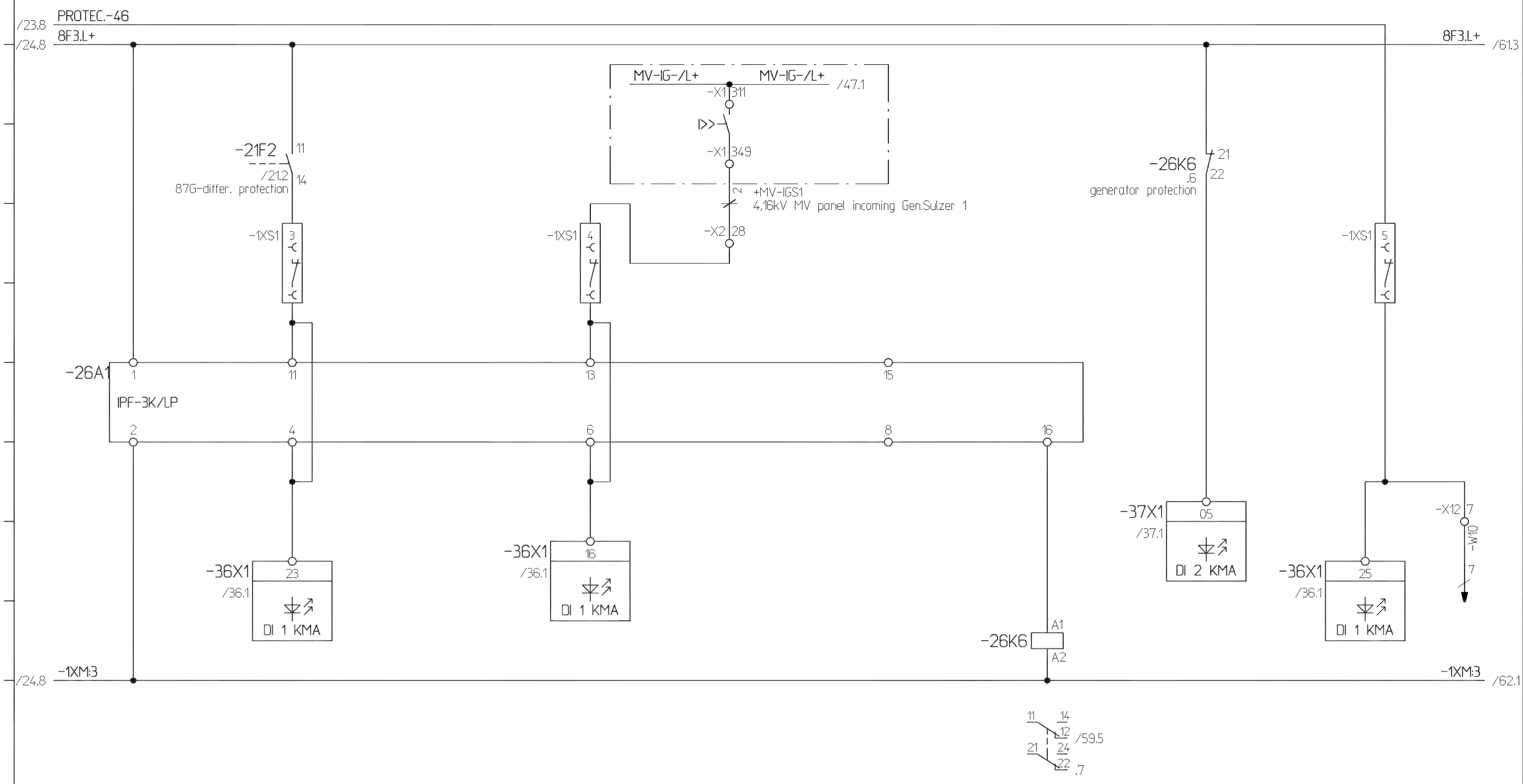
			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
			Desig.	A. Stellmann					
			Check	A. Stellmann				43730 / 437300	page 24
Index	changing	Date	name	Norm 33	Orig. / Ers.f.	Ers.d. 11.09.03			72 BL



Bildbeschreibung
IMAGE DESCRIPTION

Generator frequency protection

Index	changing	Date	name							
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 25 72 BL



87G-differ. protection

Gen. c.b. tripped

gen. protection for safety chain

generator protection

46-Generator negativ sequence trip

Bildbeschreibung
IMAGE DESCRIPTION

Signals from protection relay

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

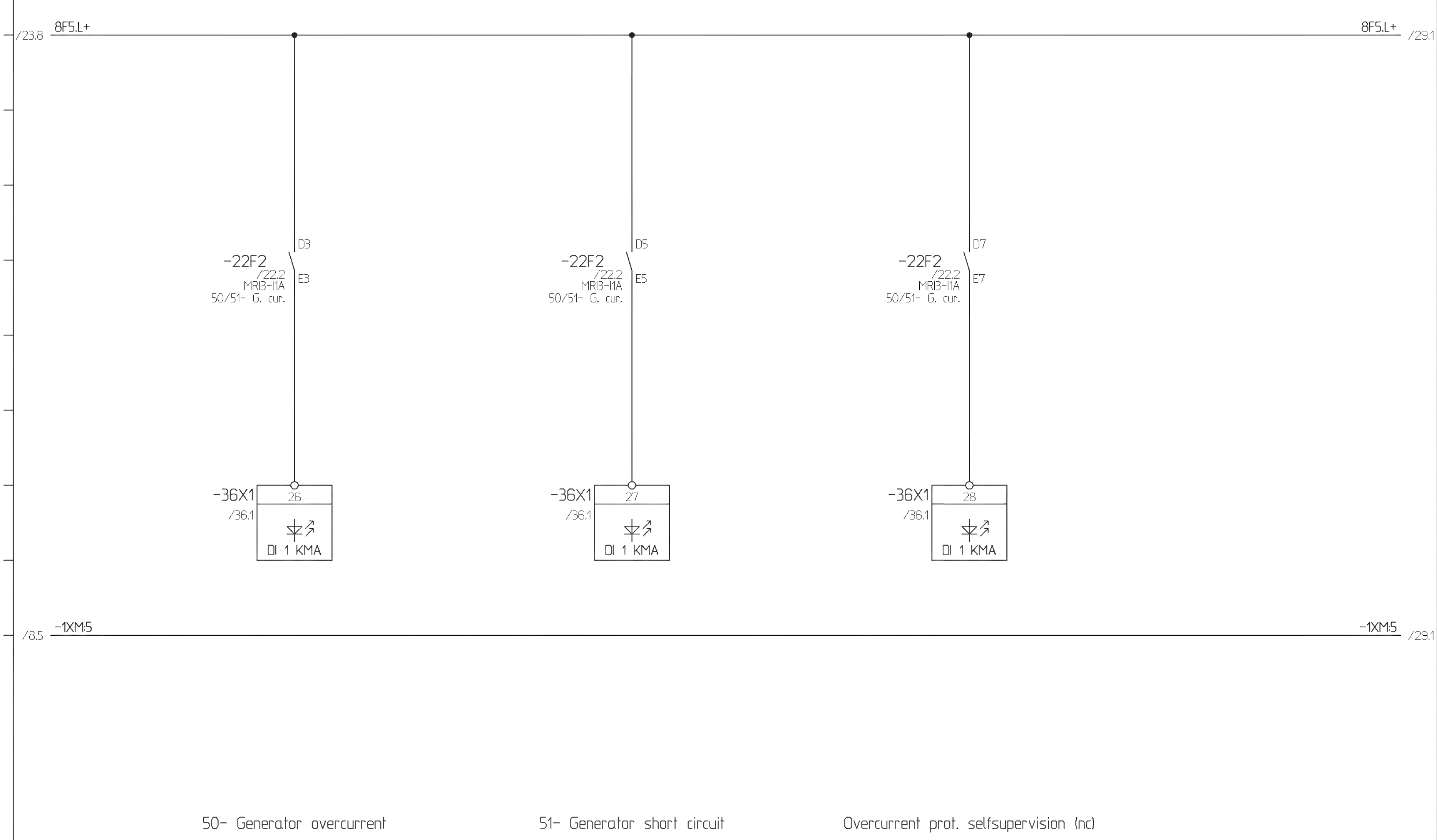
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 | 437300

=DPP
+GCPS1



Bildbeschreibung IMAGE DESCRIPTION: Signals from protection relay

Index	changing	Date	name	Norm	33
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

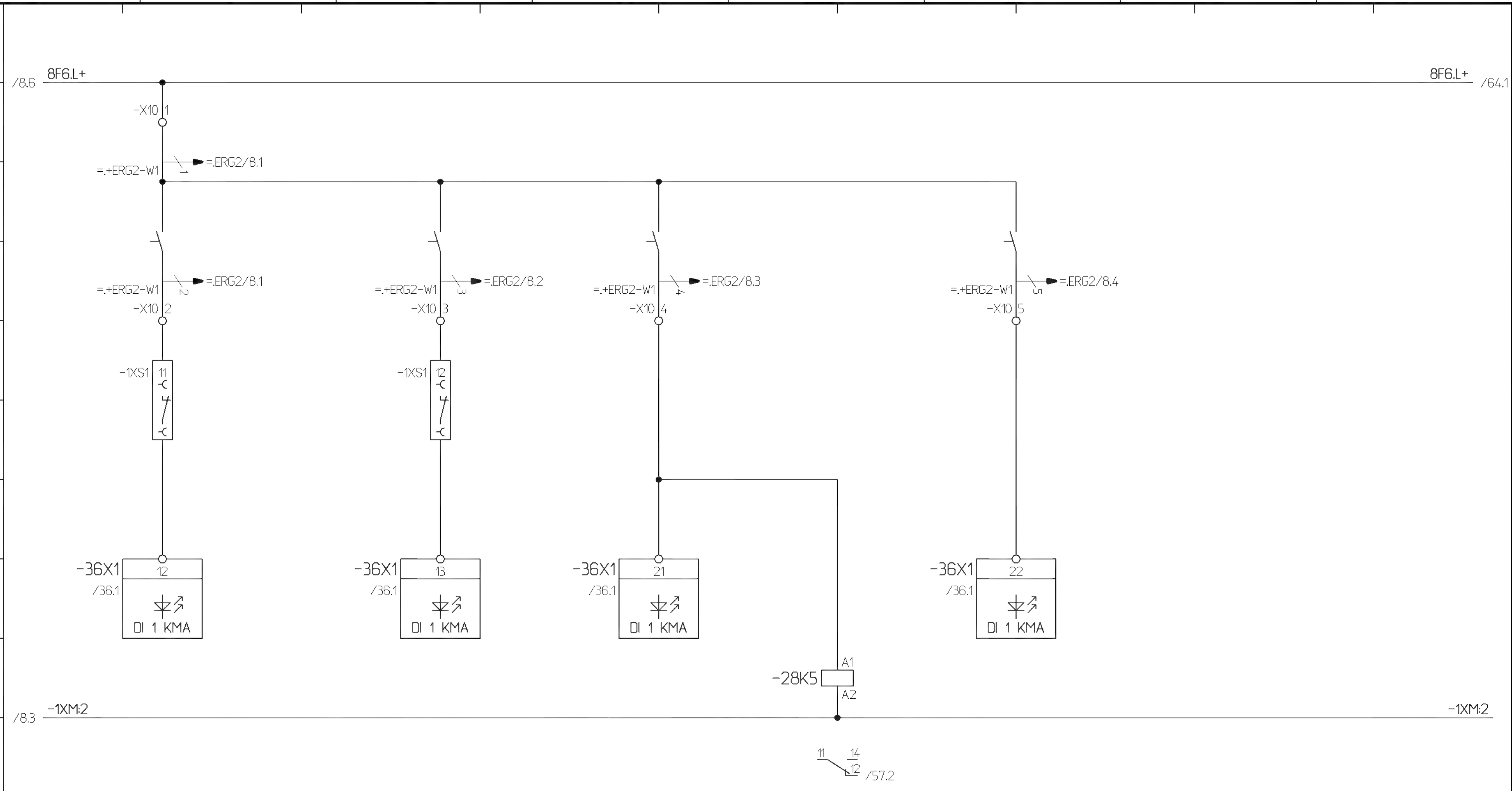
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 | 437300

=DPP
+GCPS1



gen. earth leackage current alarm | gen. earth leackage current trip | panel door open +ERG2 | panel door open +ERG2 | m.c.b. tripped +ERG2

Bildbeschreibung / IMAGE DESCRIPTION: signals neutral earth. panel +ERG2

Index	changing	Date	name							
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann			Generator control panel Sulzer 1	43730 / 437300	page 28
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			72 BL



1 pulse/ 66,56kWh

Bildbeschreibung
IMAGE DESCRIPTION Kwh counter

			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
			Desig.	A. Stellmann					
			Check	A. Stellmann				43730	437300
Index	changing	Date	name	Norm 33	Orig. / Ers.f.	Ers.d. 11.09.03			page 29 / 72 BL

Bildbeschreibung
IMAGE DESCRIPTION

spare

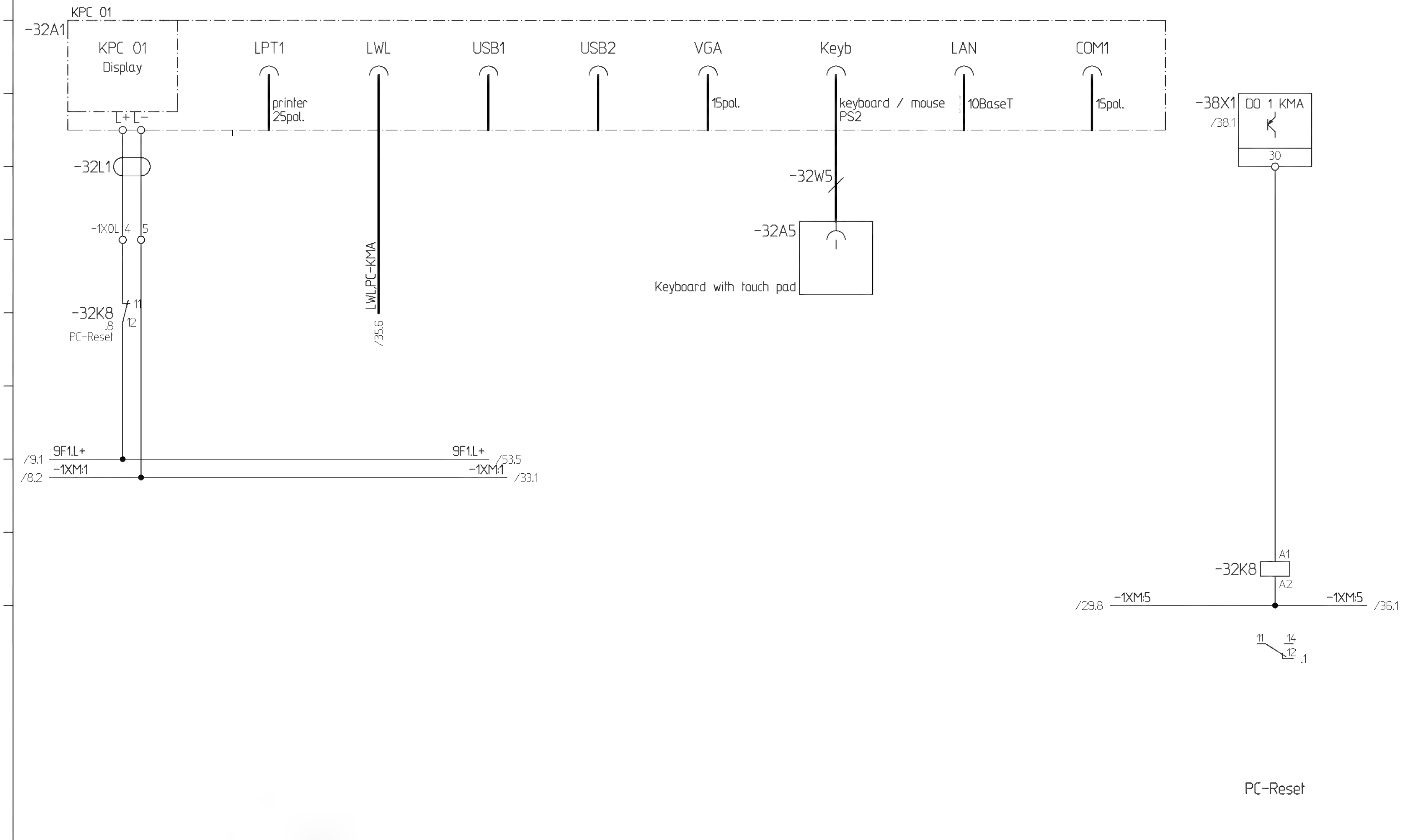
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				Desig.	A. Stellmann							+GCPS1
				Check	A. Stellmann					43730	437300	page 30
Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03				72 BL

Bildbeschreibung
IMAGE DESCRIPTION
spare

Index	changing	Date	name					
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1
				Desig.	A. Stellmann			
				Check	A. Stellmann			
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03	

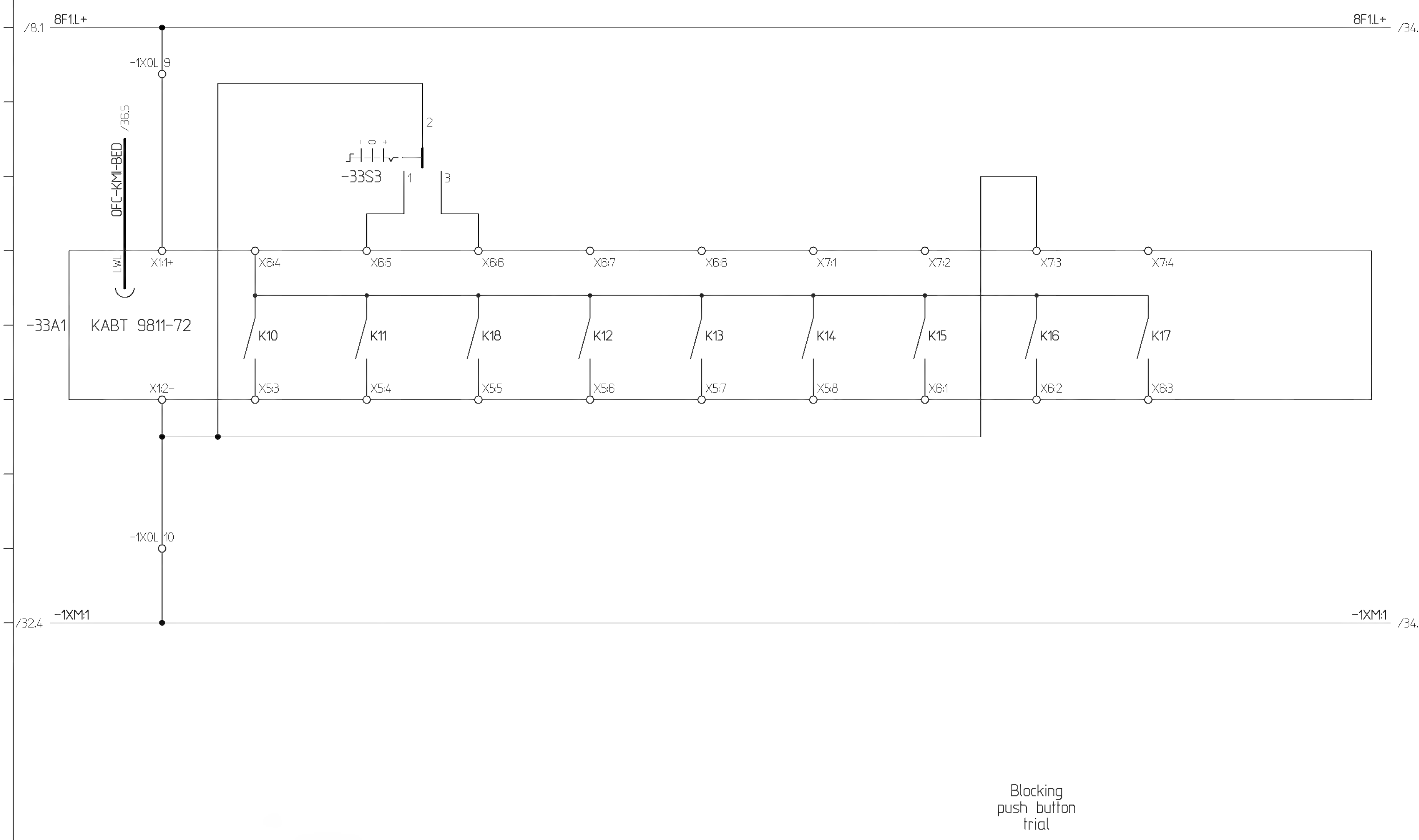
4500005501 | =DPP | +GCPS1

43730 | 437300



Bildbeschreibung
IMAGE DESCRIPTION PC

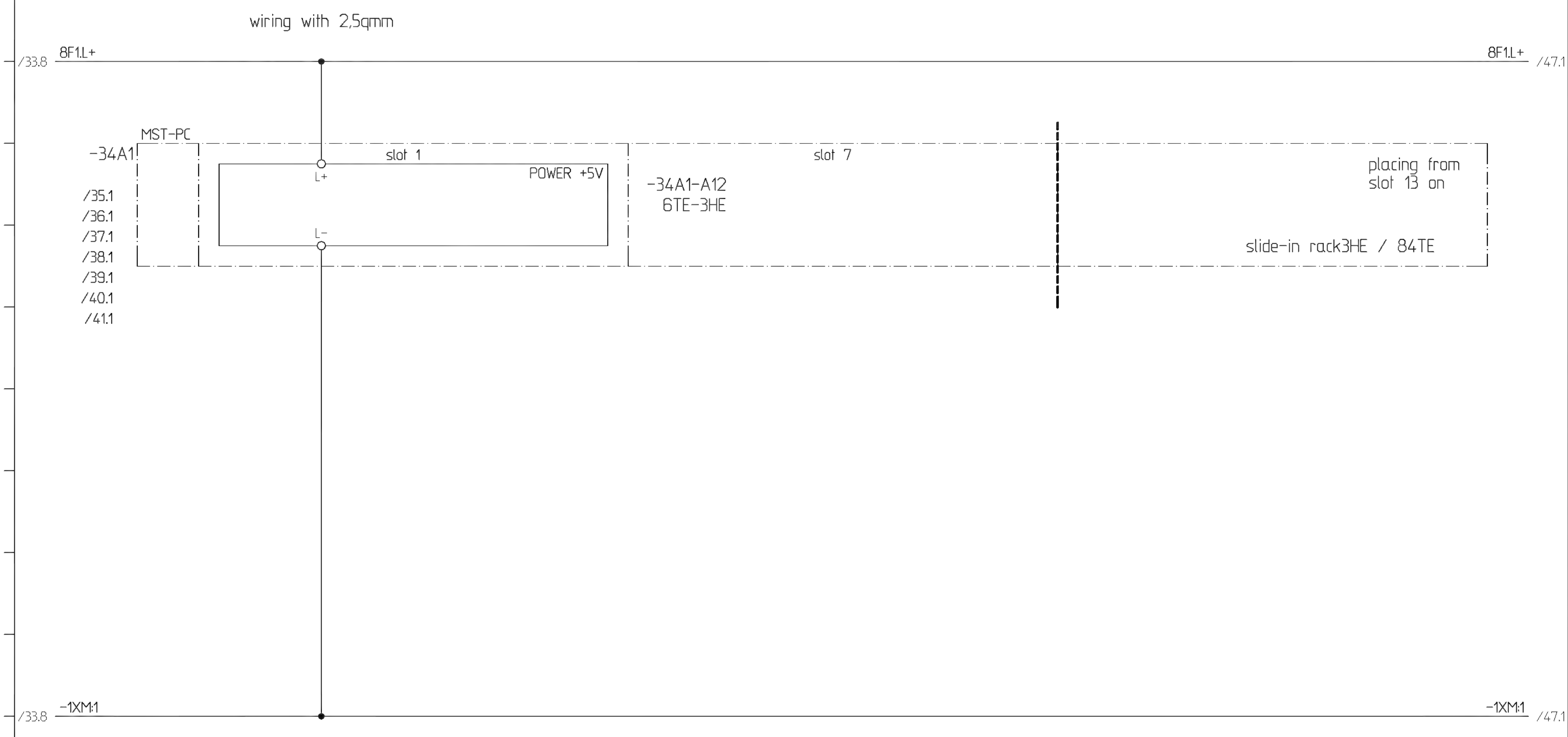
Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501		=DPP +GCPS1
Desig.	A. Stellmann						
Check	A. Stellmann				43730	437300	page 32
Index / changing / Date / name / Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03				72 BL



Bildbeschreibung
IMAGE DESCRIPTION

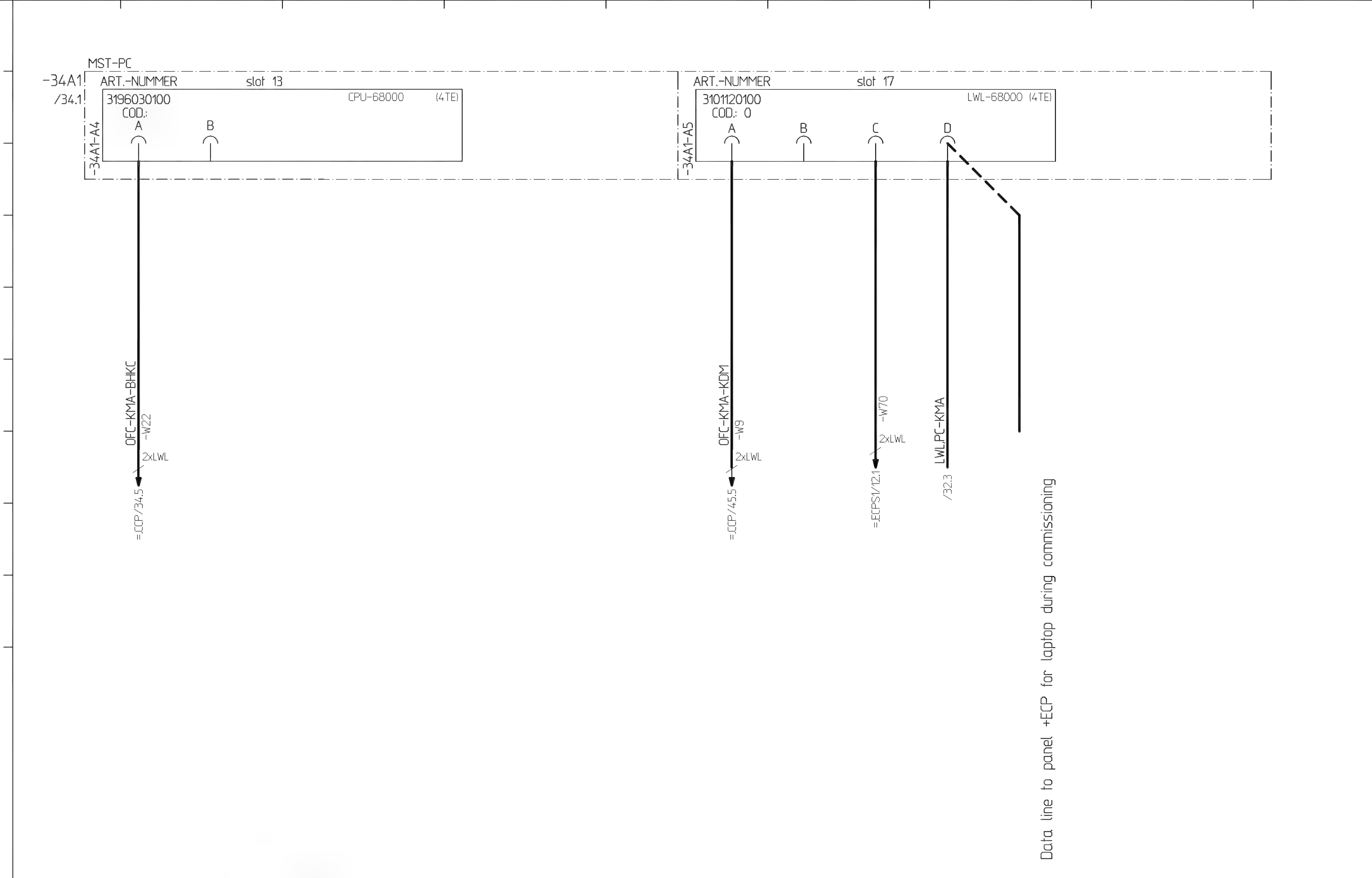
control panel KABT 9811

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501
				Desig.	A. Stellmann				=DPP +GCPS1
				Check	A. Stellmann				43730 / 437300
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03		page 33 / 72 BL



Bildbeschreibung IMAGE DESCRIPTION: MST 68000 slot 1-7, power unit

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 34 / 72 BL
Index	changing	Date	name	Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			



Bildbeschreibung
IMAGE DESCRIPTION
MST 68000 slot 13-17, CPU, OFC1

Date	08.07.03
Desig.	A. Stellmann
Check	A. Stellmann
Norm	33

Index | changing | Date | name

Elektrim-MEGADEX
Monde Energy Philippines

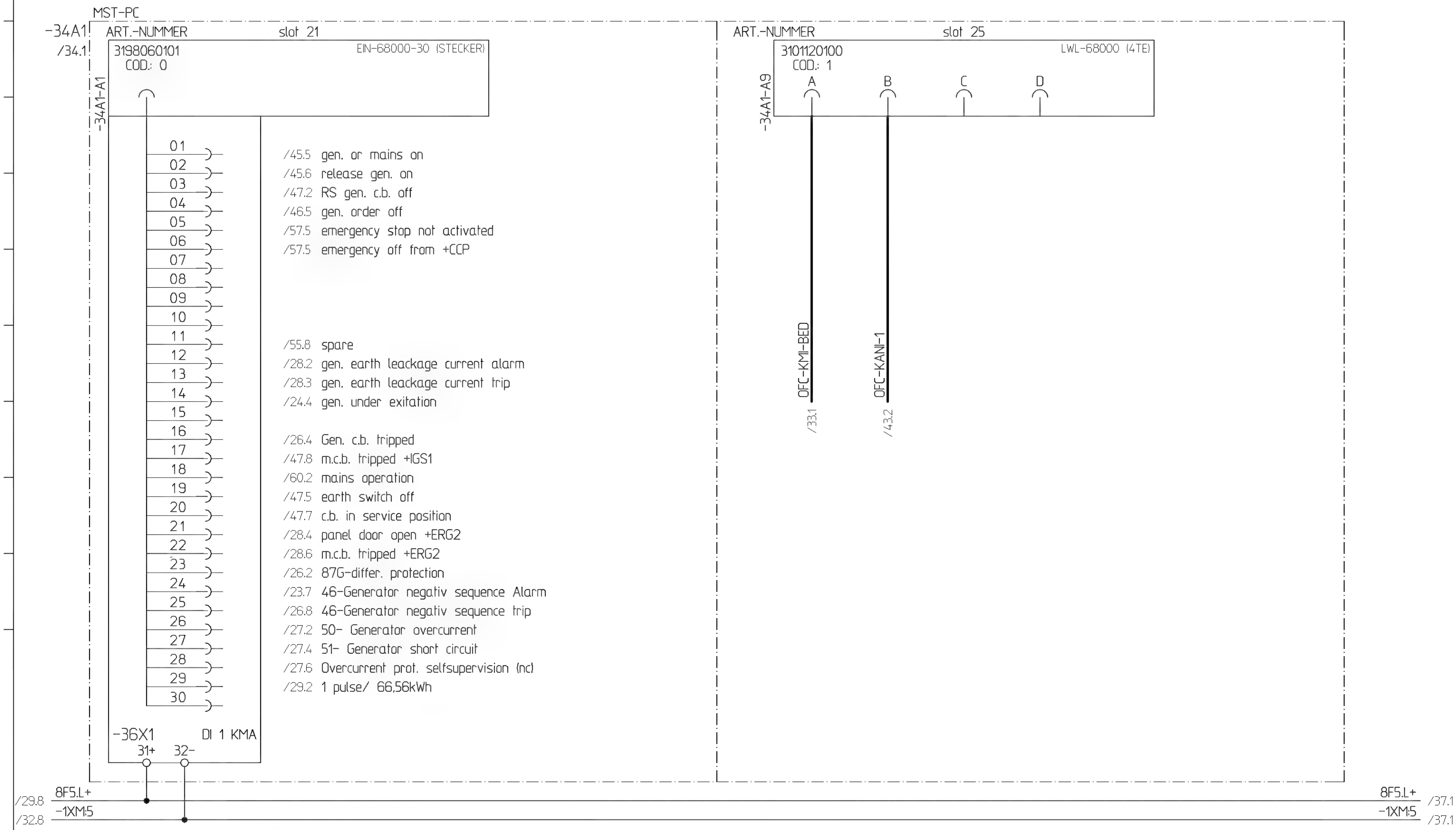
Orig. | Ersf. | Ersd. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501
43730
437300

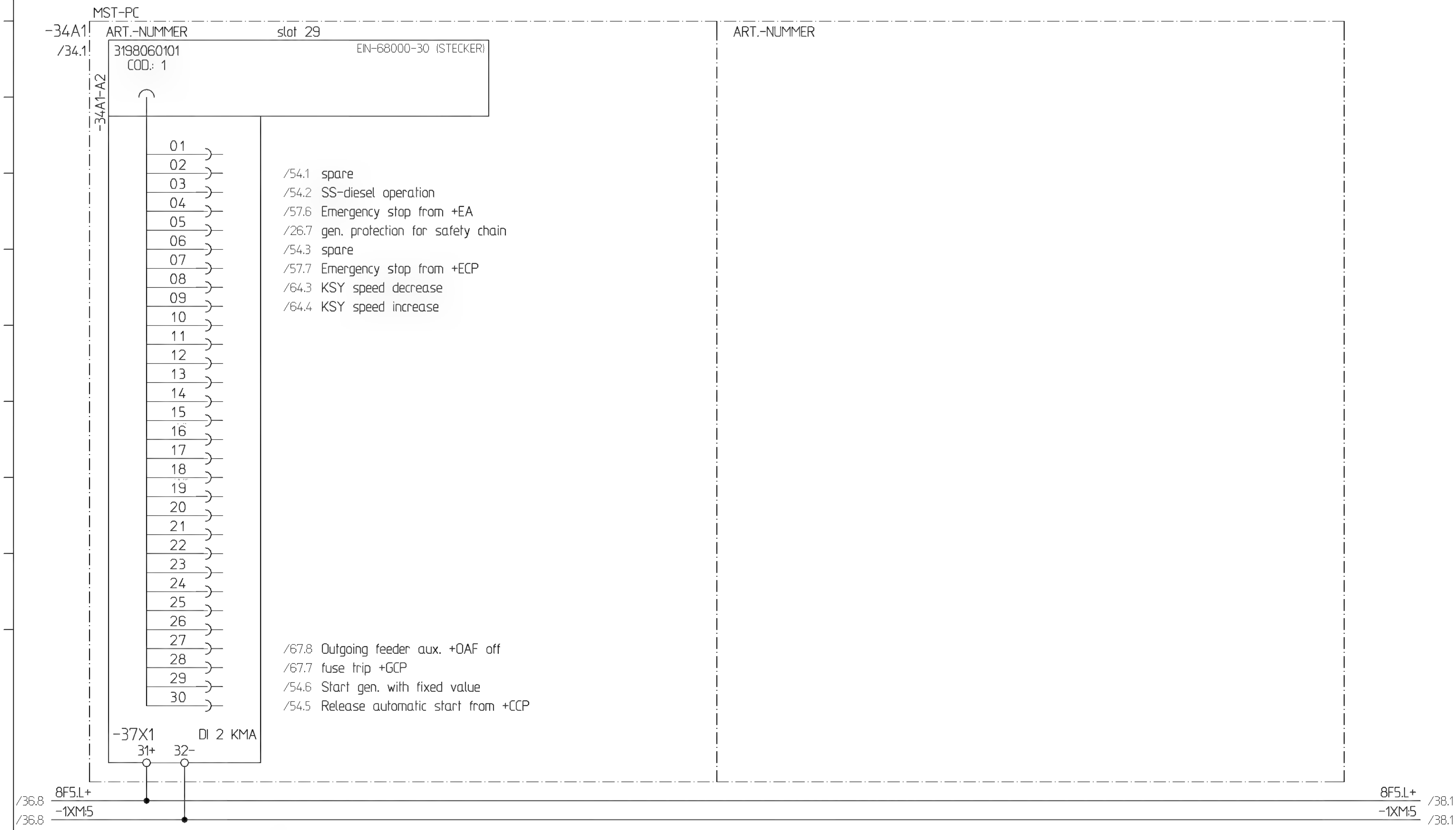
=DPP
+GCPS1



Bildbeschreibung
IMAGE DESCRIPTION

MST 68000 slot 21-25, DI1, OFC2

Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d.	11.09.03			
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines		KUHSE		DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501 43730 437300	=DPP +GCPS1
				Desig.	A. Stellmann							
				Check	A. Stellmann							page 36 72 BL



Bildbeschreibung IMAGE DESCRIPTION: MST 68000 slot 29-33, DI2

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

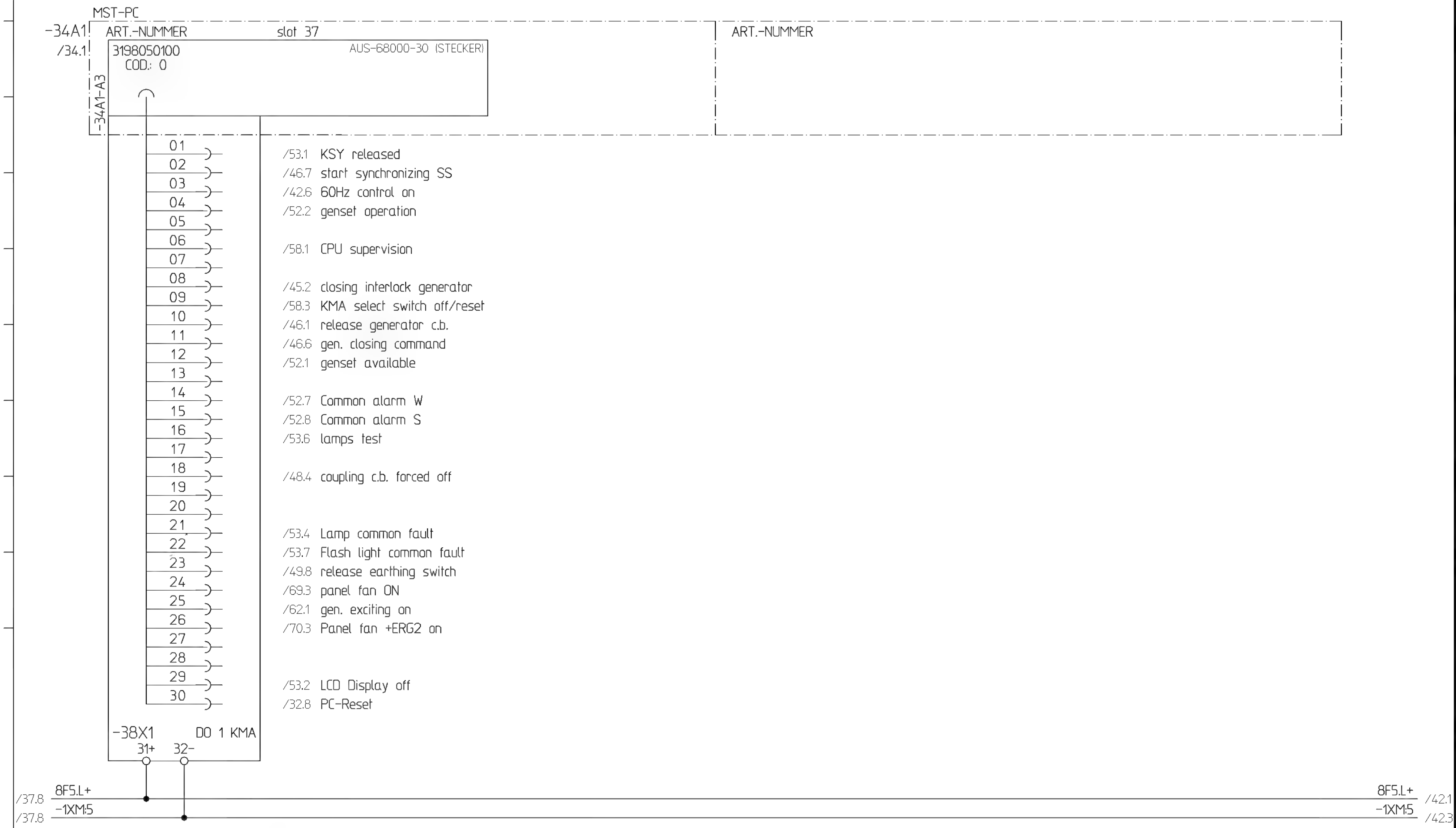
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

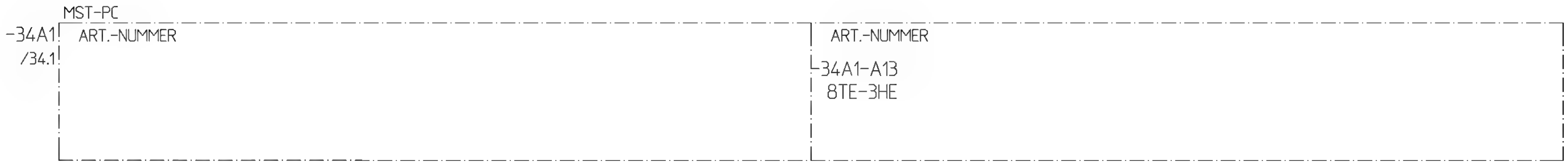
43730 | 437300

=DPP
+GCPS1



Bildbeschreibung IMAGE DESCRIPTION: MST 68000 slot 37-41, DA1

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPS1
				Check	A. Stellmann			Generator control panel Sulzer 1	43730	437300
				Norm	33	Orig. / Ersf.	Ersd. 11.09.03			



Bildbeschreibung
IMAGE DESCRIPTION: MST 68000 slot 45-49,

Index	changing	Date	name					
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1
				Desig.	A. Stellmann			
				Check	A. Stellmann			
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03	

4500005501		=DPP +GCPS1
43730	437300	page 39 / 72 BL

MST-PC

-34A1 ART.-NUMMER

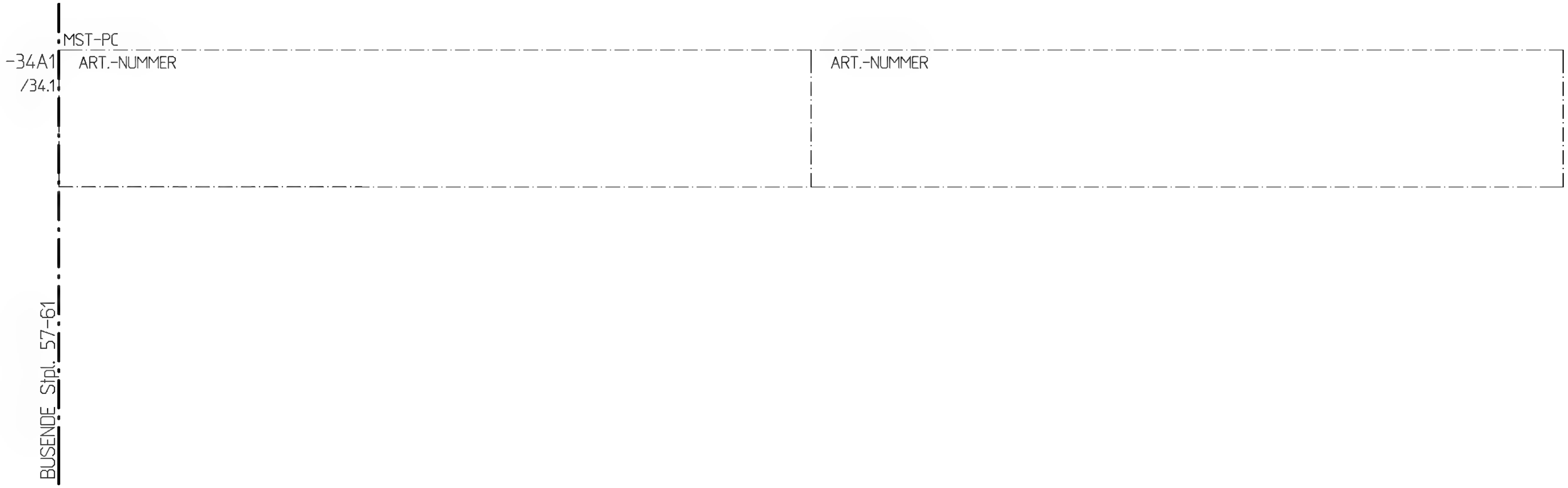
/34.1

ART.-NUMMER

Bildbeschreibung
IMAGE DESCRIPTION

MST 68000 slot 53-57,

				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines		KUHSE		DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501		=DPP +GCPS1	
				Desig.	A. Stellmann									
				Check	A. Stellmann						43730	437300		page 40
Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d.	11.09.03					72 BL



Bildbeschreibung IMAGE DESCRIPTION: MST 68000 slot 61-84 KSY041

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

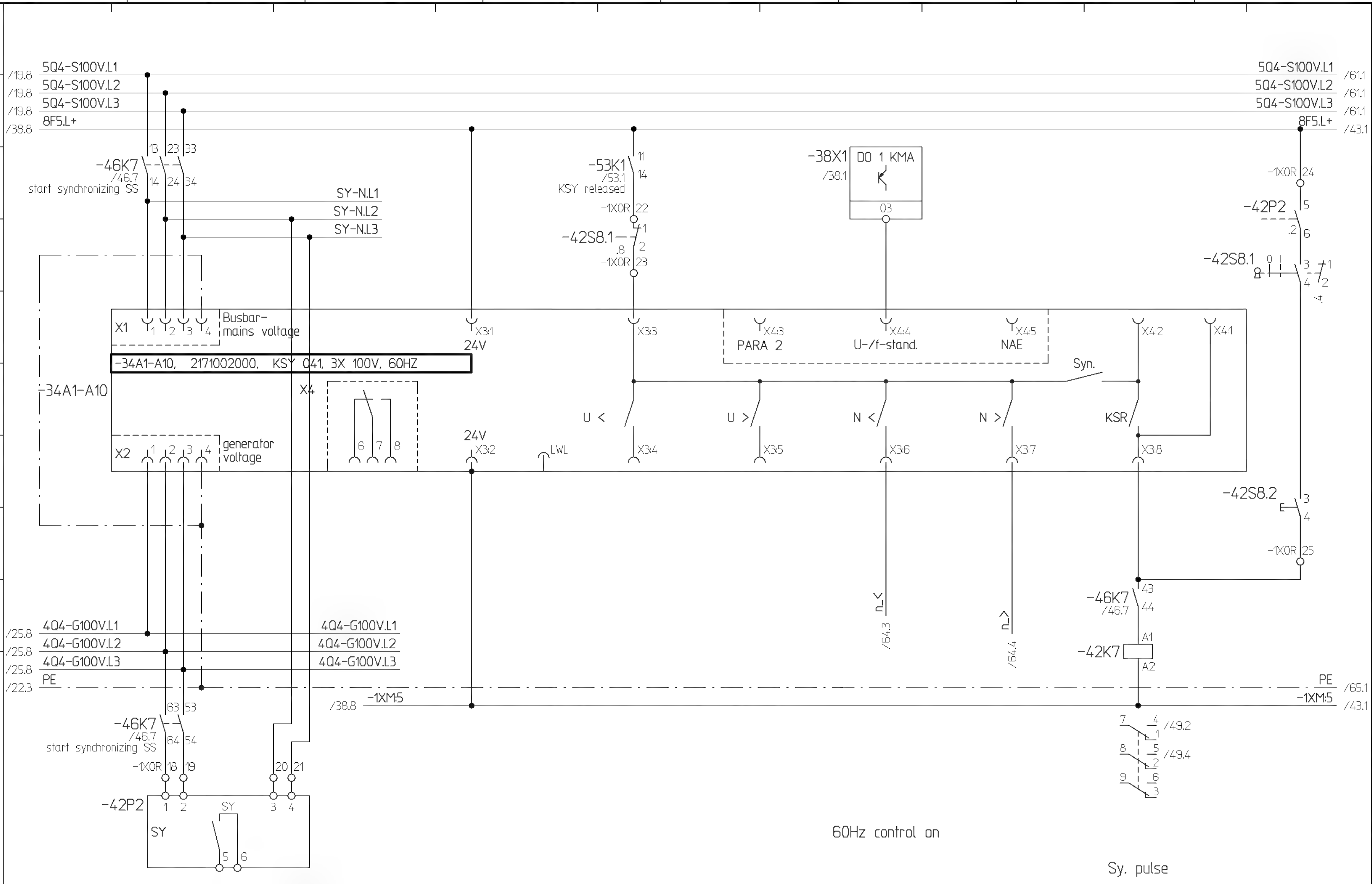
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

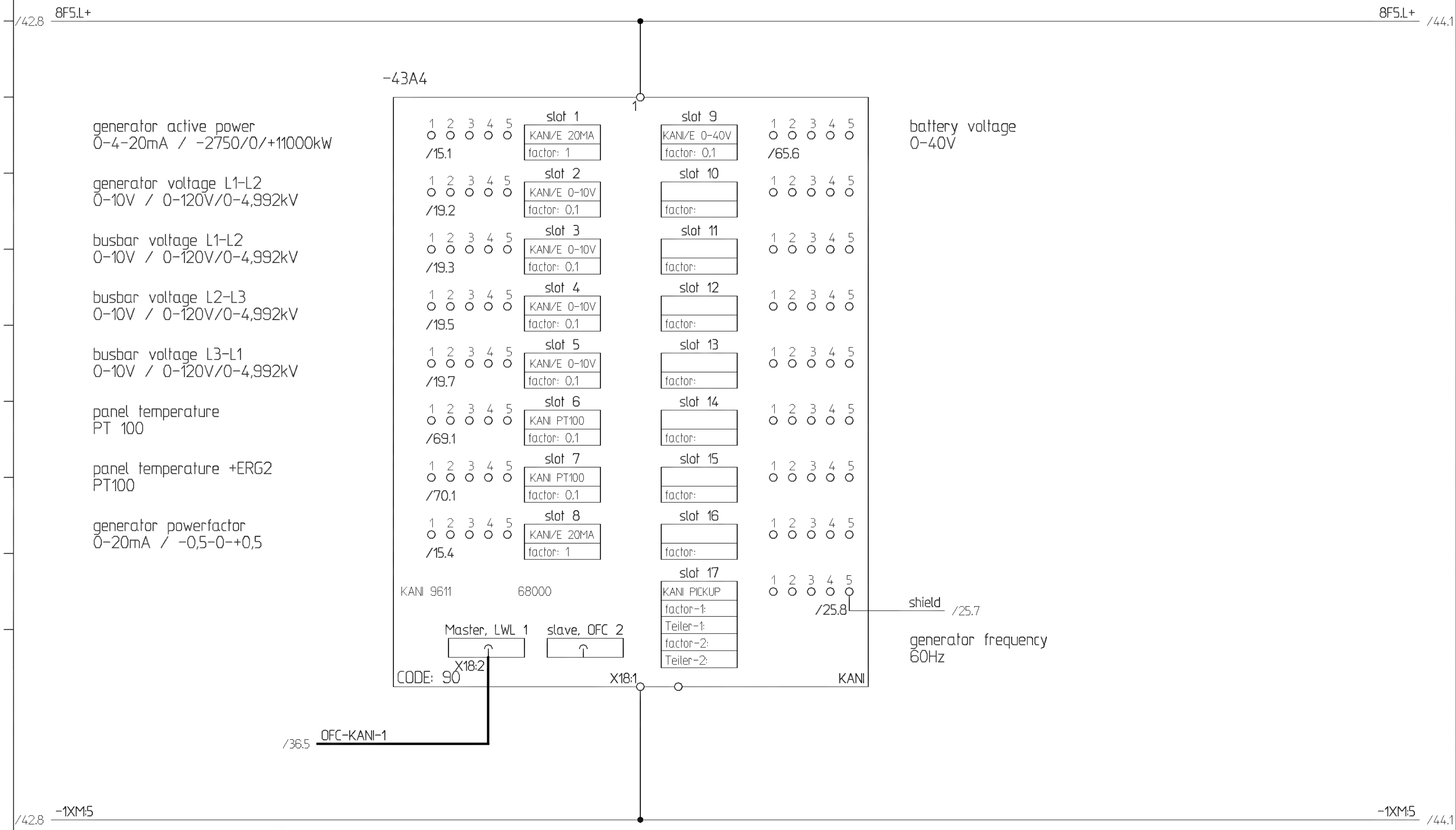
43730 | 437300

=DPP
+GCPS1



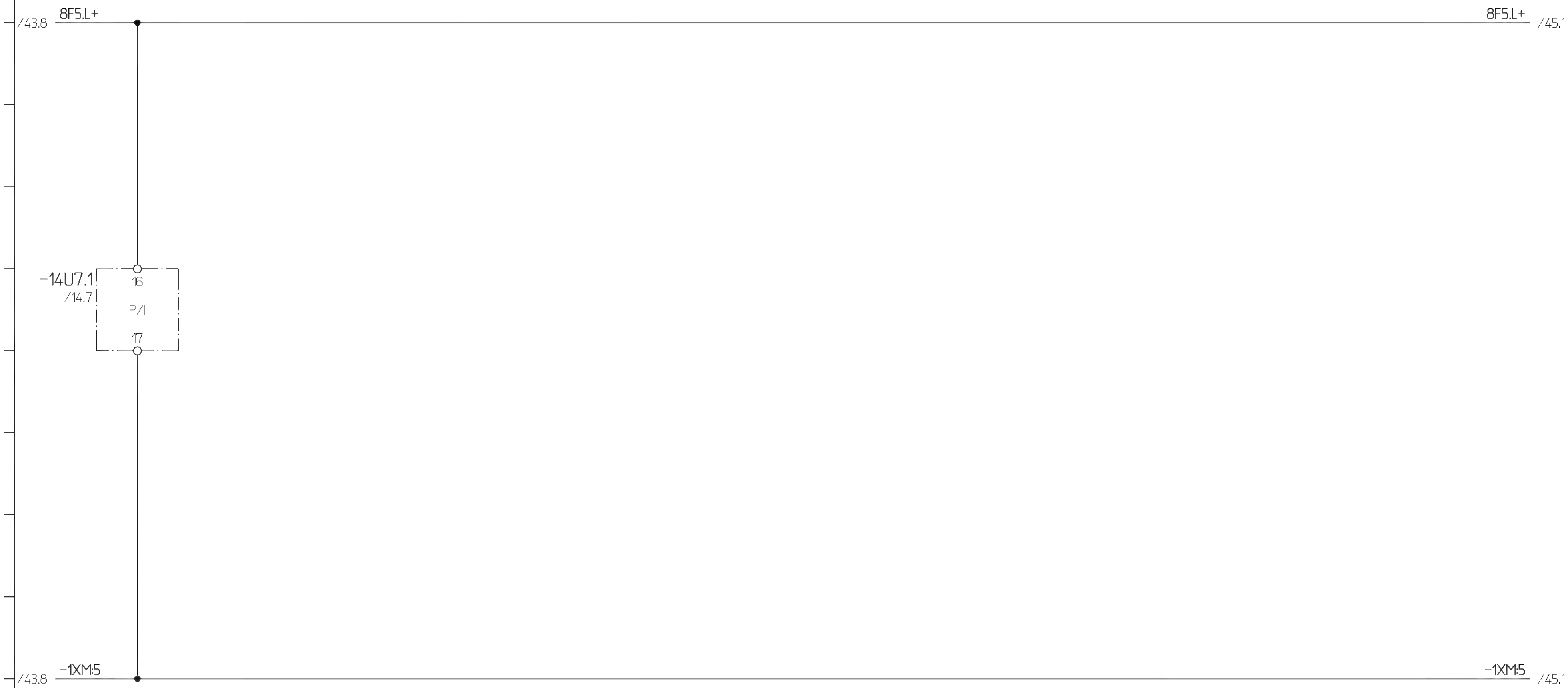
Bildbeschreibung IMAGE DESCRIPTION: synchronizing unit KSY 41 (inside KMA)

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPS1
				Check	A. Stellmann			Generator control panel Sulzer 1	43730	437300
				Norm	33	Orig.	Ersf.	Ers.d. 11.09.03		page 42 / 72 BL



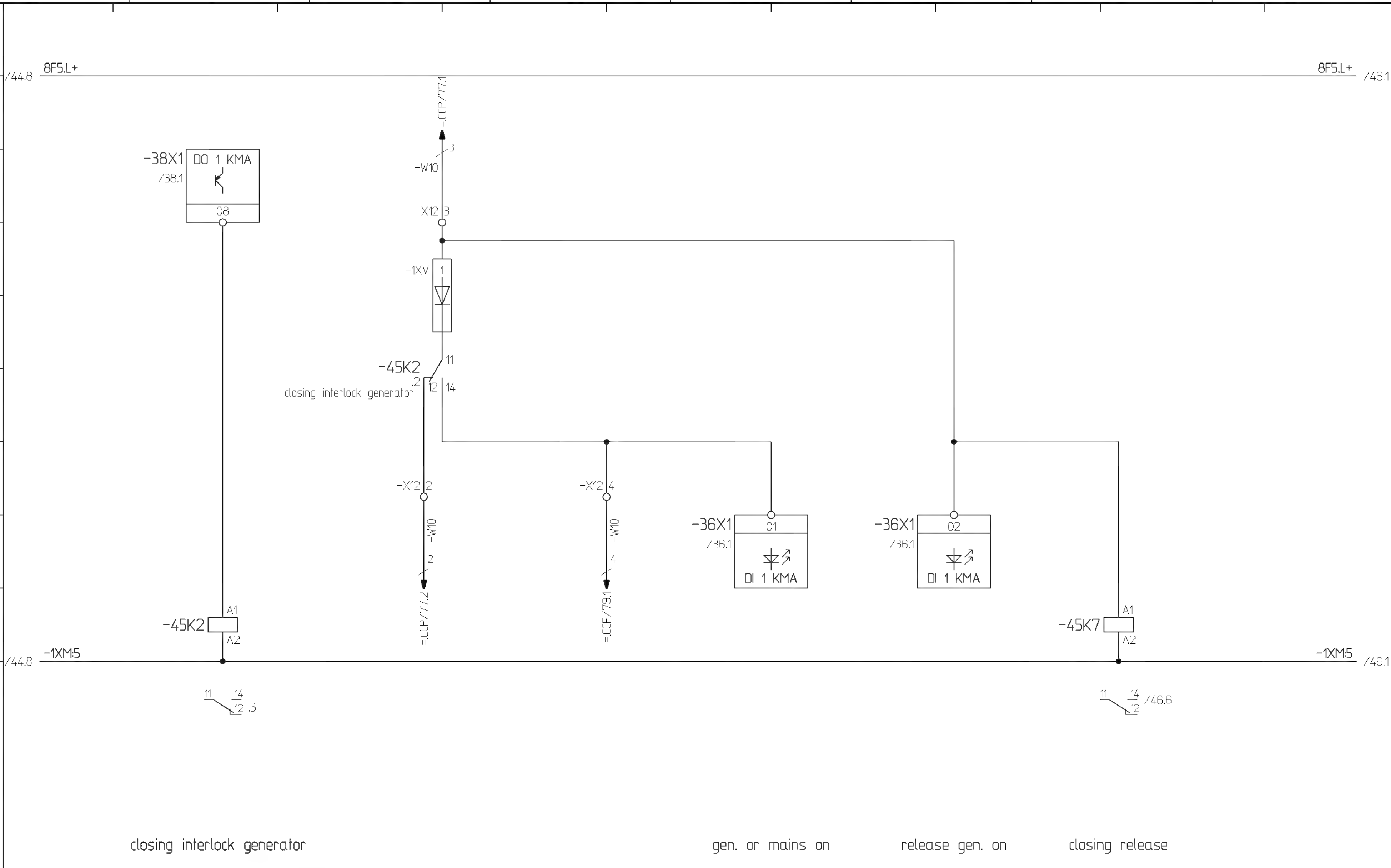
Bildbeschreibung
IMAGE DESCRIPTION
KMA analog intrface 1

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPS1
				Check	A. Stellmann			Generator control panel Sulzer 1	43730	437300
				Norm	33	Orig. / Ersf.	Ers.d. 11.09.03			page 43 / 72 BL



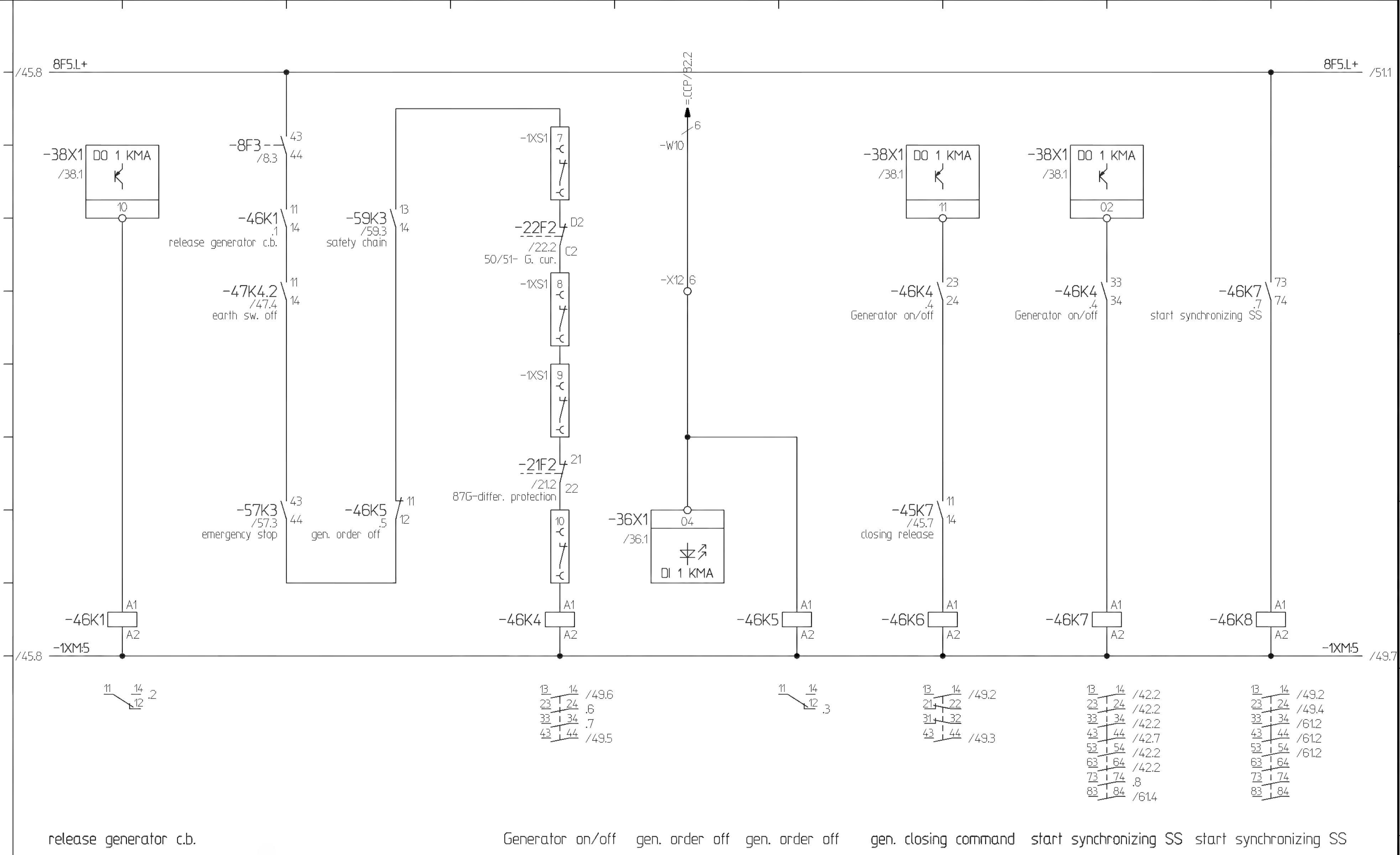
Bildbeschreibung IMAGE DESCRIPTION: power supply for converter

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 44 / 72 BL
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			



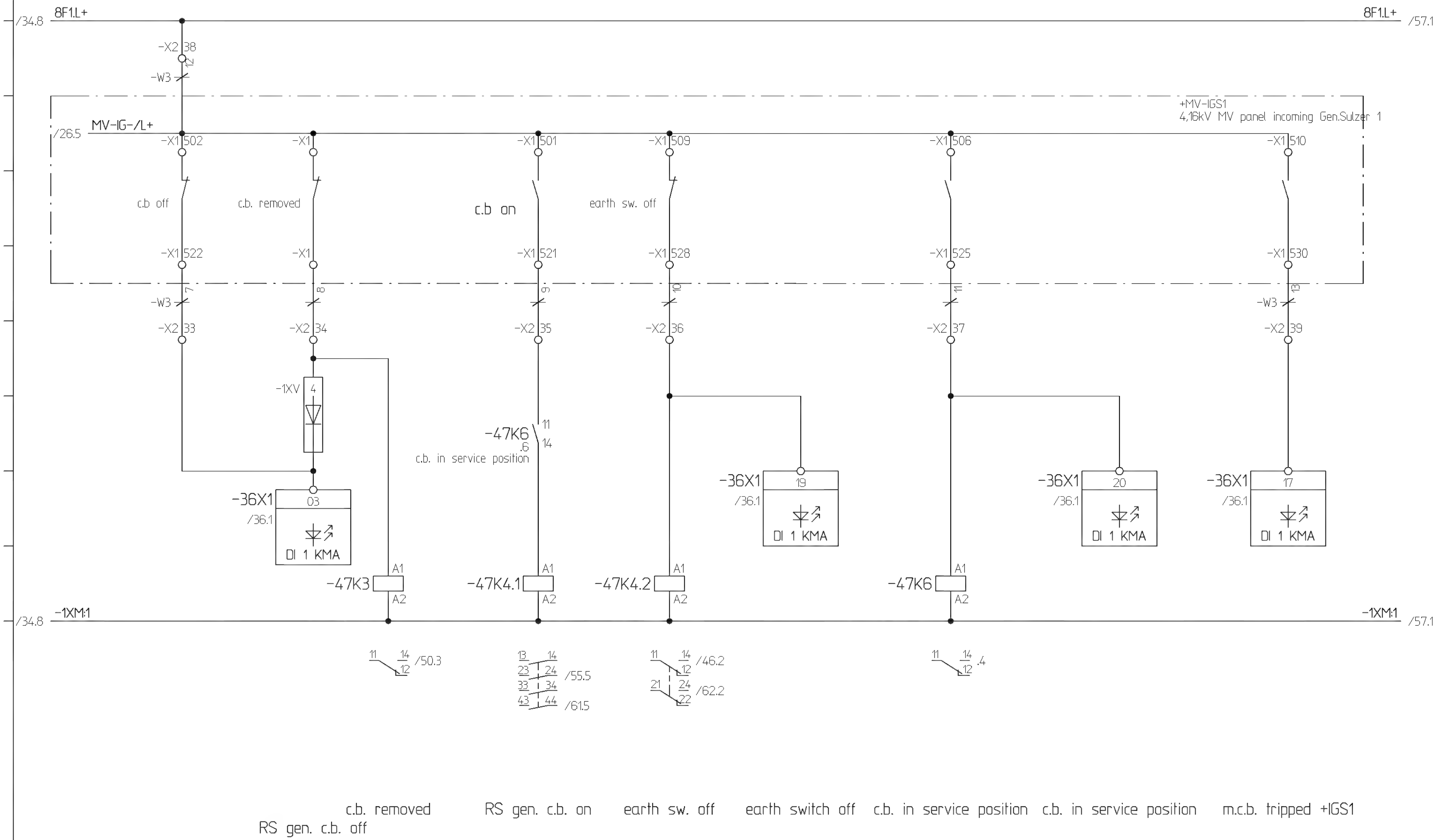
Bildbeschreibung IMAGE DESCRIPTION: closing interlock generator c.b.

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 45
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			72 BL



Bildbeschreibung
IMAGE DESCRIPTION
generator c.b. control

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPS1
				Check	A. Stellmann			Generator control panel Sulzer 1	43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 46 / 72 BL



Bildbeschreibung
IMAGE DESCRIPTION

generator c.b. reply signals

Index	changing	Date	name	Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

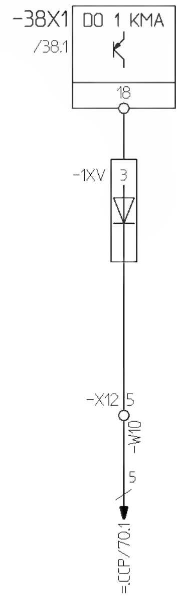
KUHSE

Orig. | Ers.f. | Ers.d. 11.09.03

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501
43730 437300

=DPP
+GCPS1



coupling c.b. forced off

Bildbeschreibung IMAGE DESCRIPTION: generator c.b. reply signals

Index	changing	Date	name	Norm	33
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

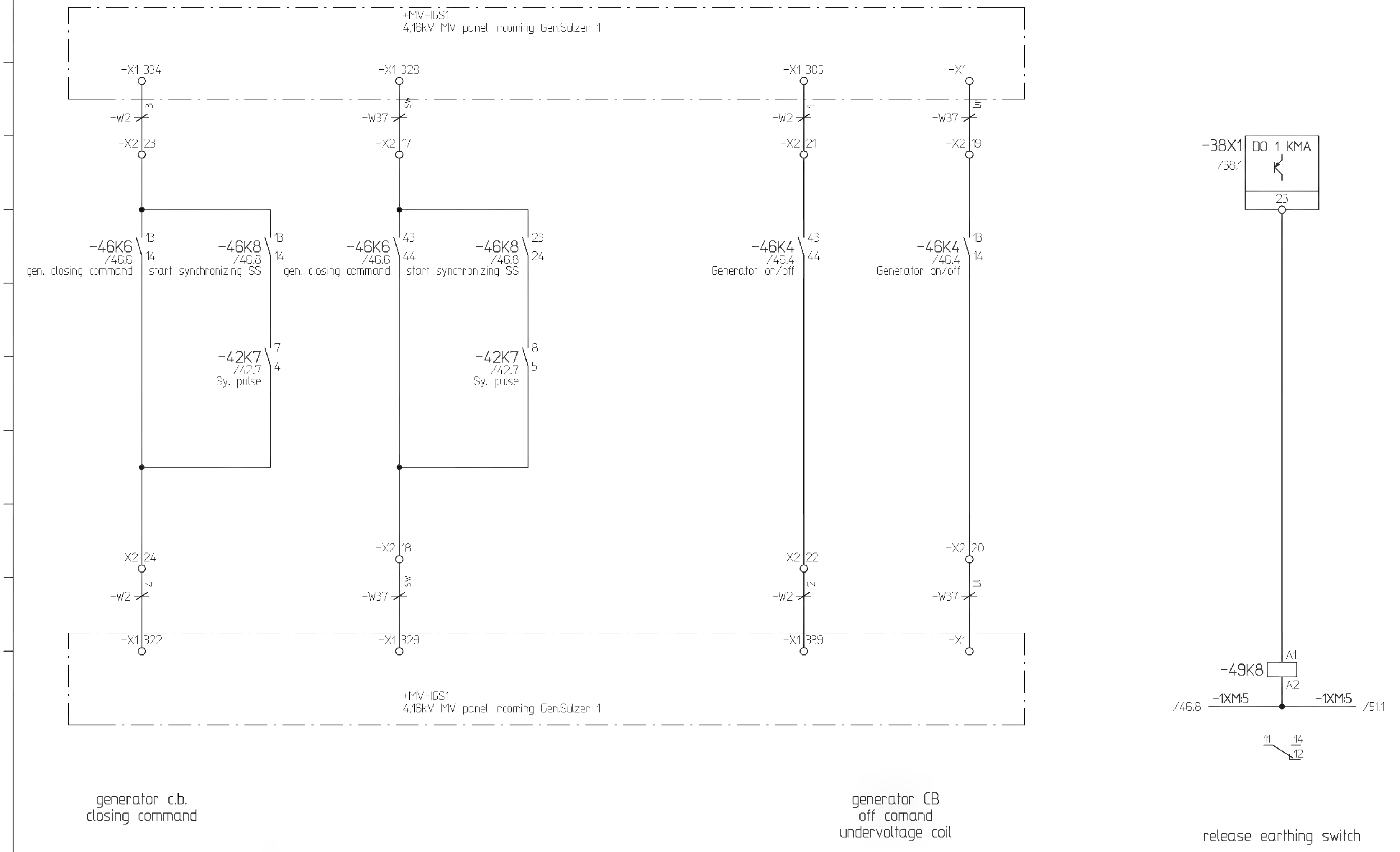
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 | 437300

=DPP
+GCPS1



Bildbeschreibung
IMAGE DESCRIPTION

generator c.b. control system

Index	changing	Date	name		
A	X4:17.18	16.10.00	F.Bü.		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

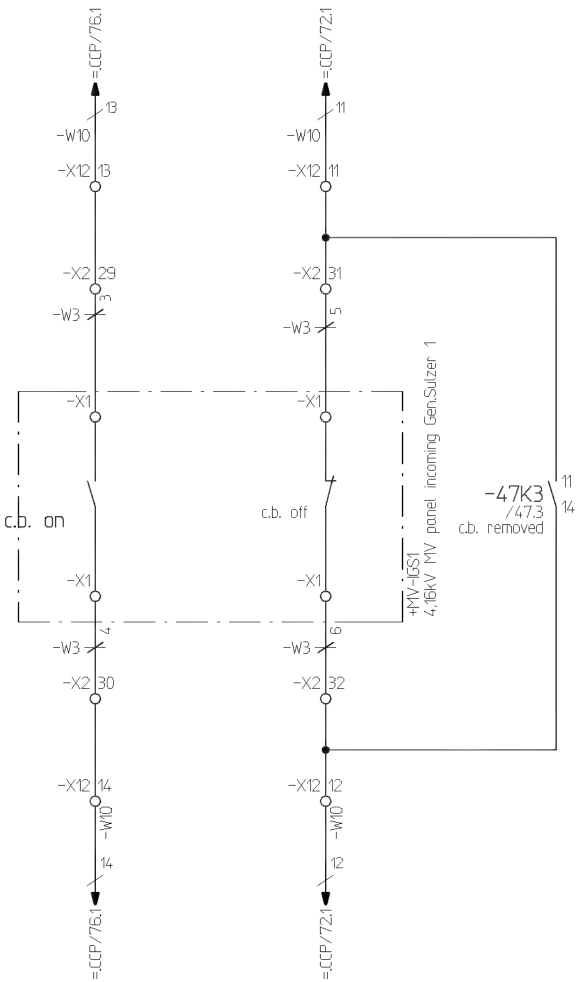
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 | 437300

=DPP
+GCPS1



Gen. c.b. on

Gen. c.b. off

Bildbeschreibung IMAGE DESCRIPTION	generator reply signals to +CCP

Index	changing	Date	name							
				Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPS1
				Check	A. Stellmann			Generator control panel Sulzer 1	43730 / 437300	page 50
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			72 BL

/46.8 8F5.L+ — 8F5.L+ /52.1

/49.8 −1XM:5 — −1XM:5 /52.1

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

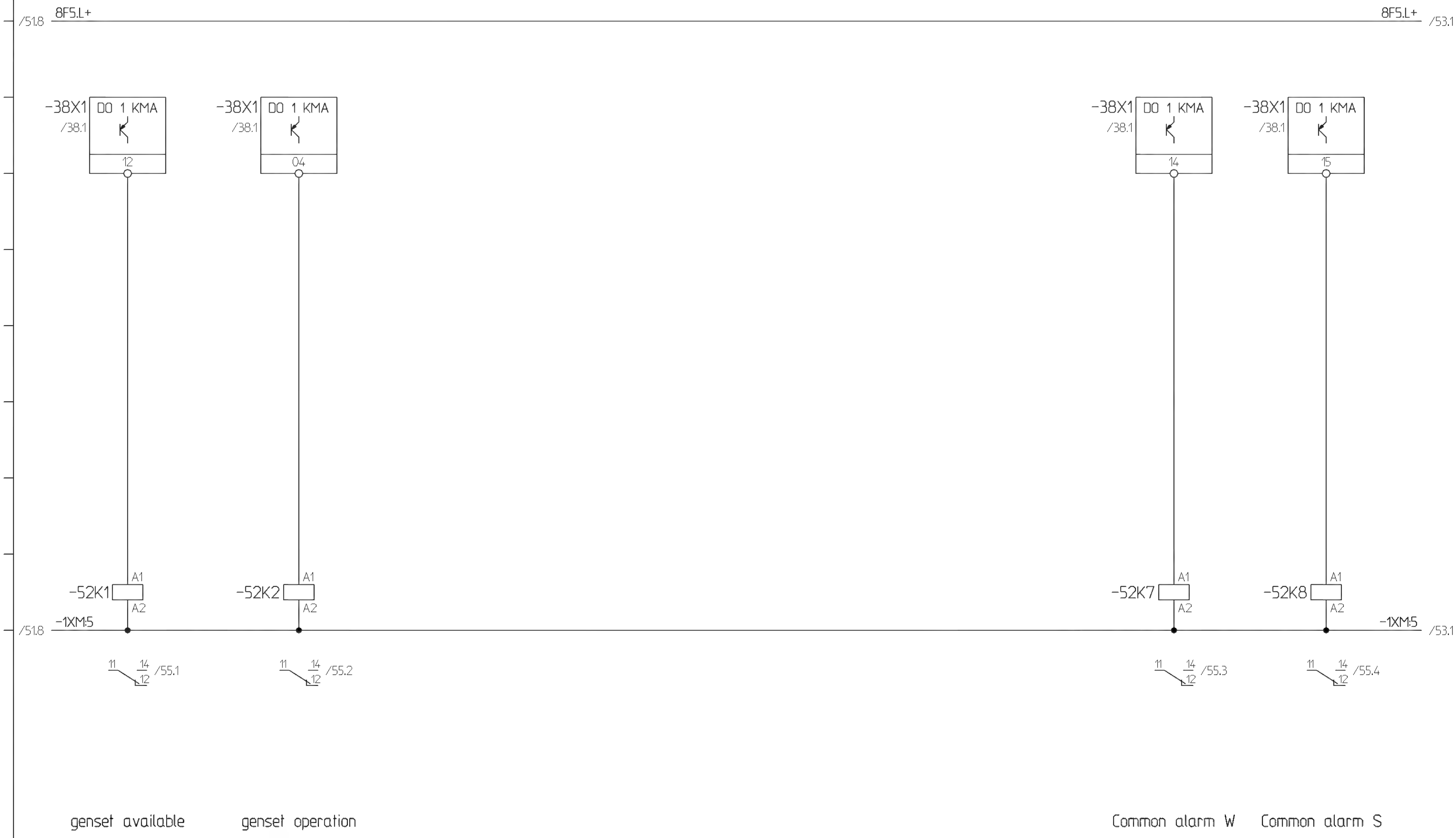
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

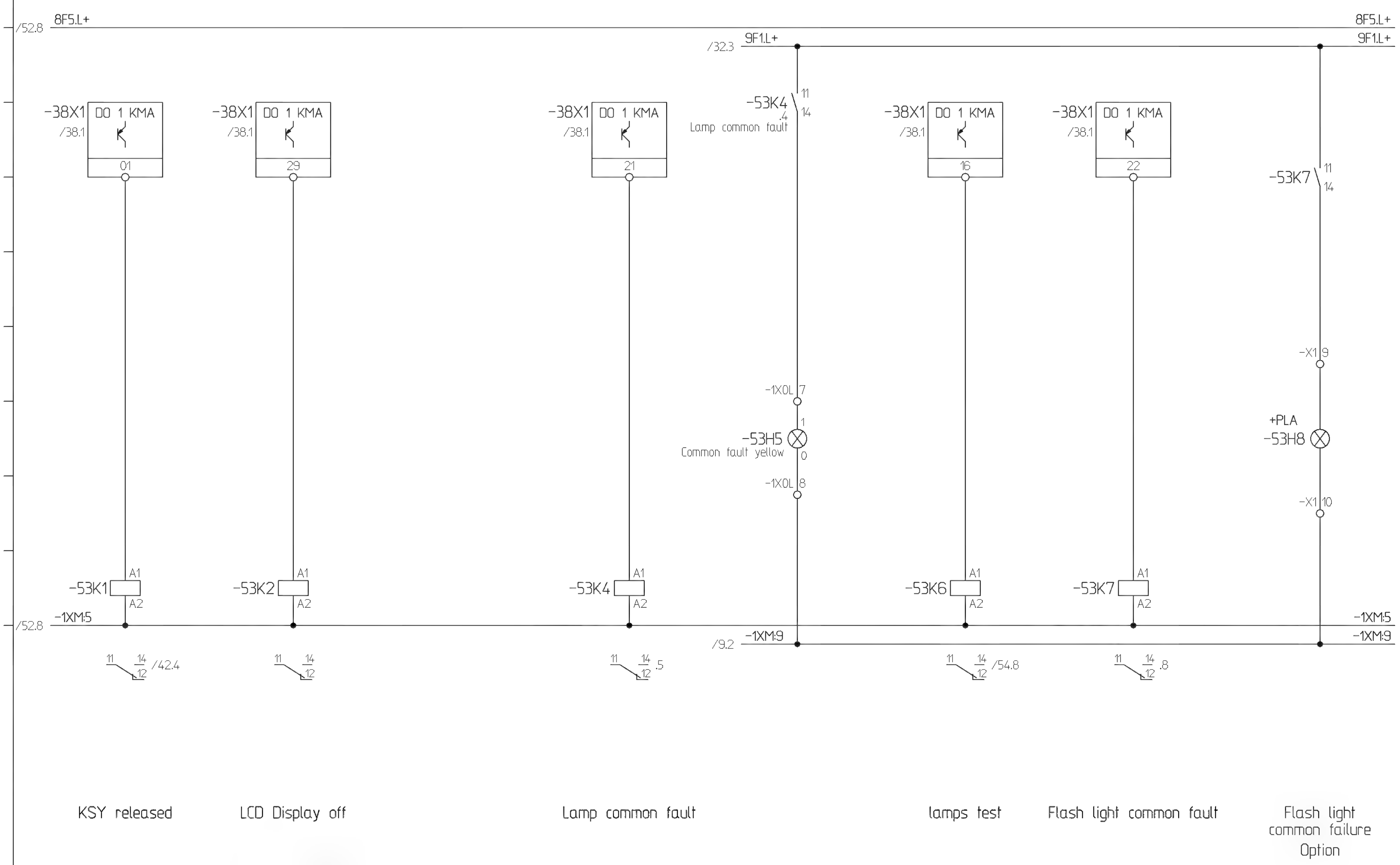
43730 | 437300

=DPP
+GCPS1



Bildbeschreibung IMAGE DESCRIPTION: control outputs

			Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
			Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPS1
			Check	A. Stellmann			Generator control panel Sulzer 1	43730	437300
Index	changing	Date	name	Norm 33	Orig.	Ersf.	Ers.d. 11.09.03		page 52 72 BL



Bildbeschreibung IMAGE DESCRIPTION: control outputs

Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03

Date	08.07.03
Desig.	A. Stellmann
Check	A. Stellmann

Elektrim-MEGADEX
Monde Energy Philippines

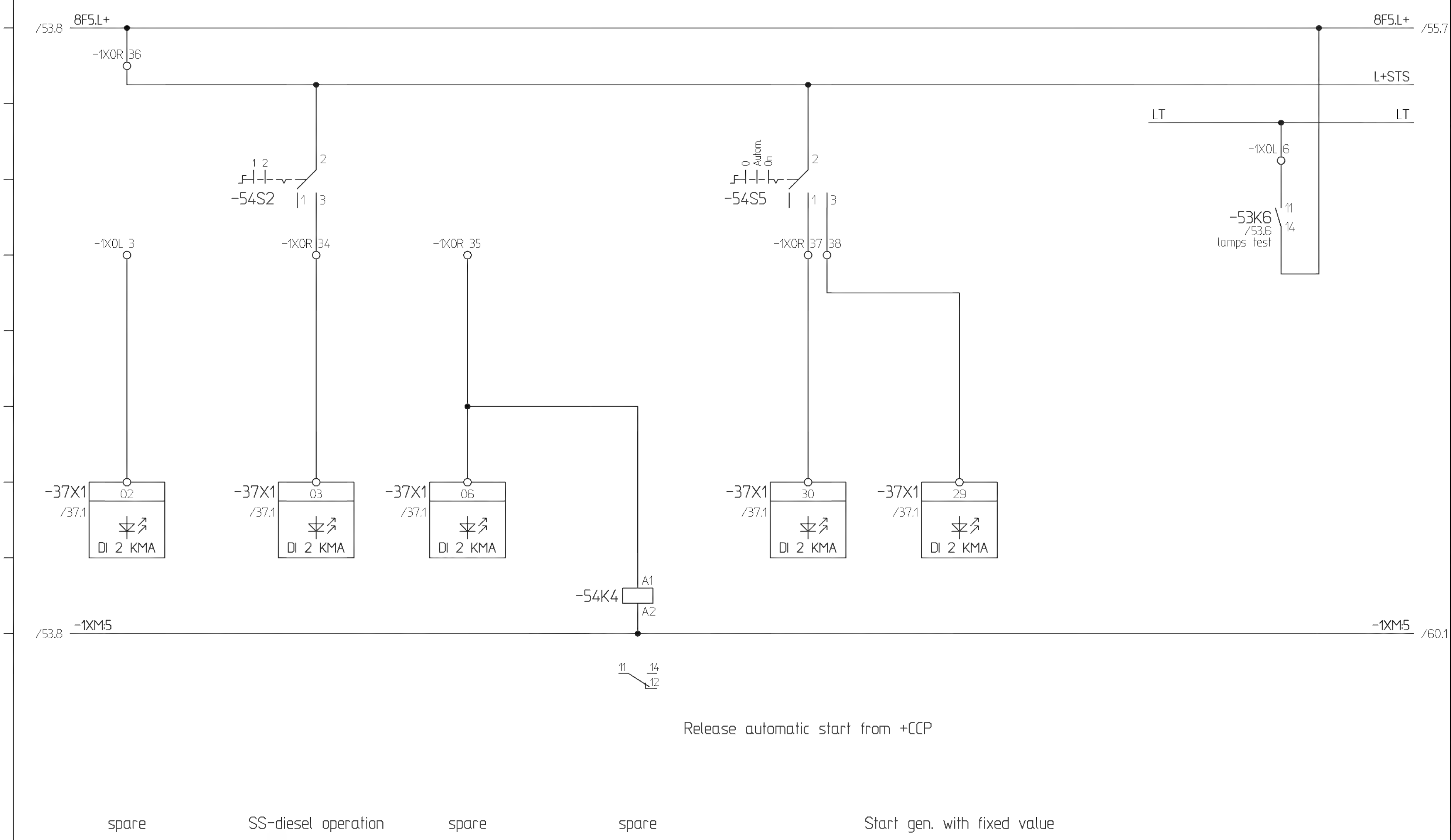
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

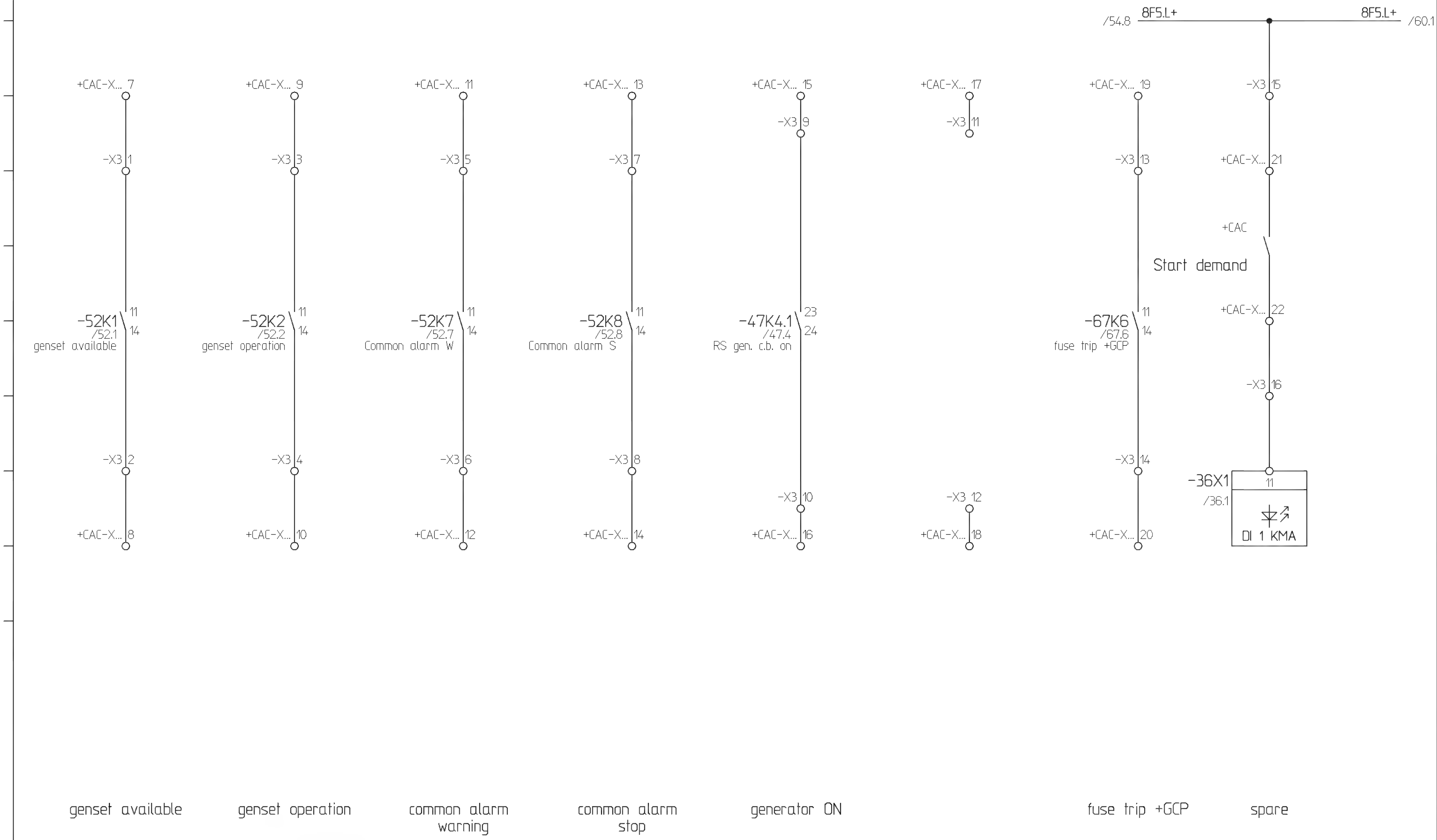
43730 437300

=DPP
+GCPS1



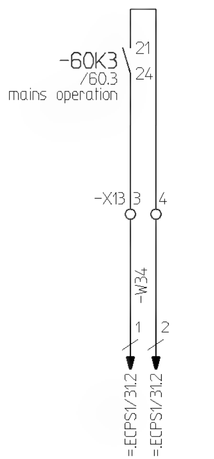
Bildbeschreibung IMAGE DESCRIPTION contr. switch

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ersf.	Ersd. 11.09.03			page 54 / 72 BL



Bildbeschreibung IMAGE DESCRIPTION: CAC signals voltage-free

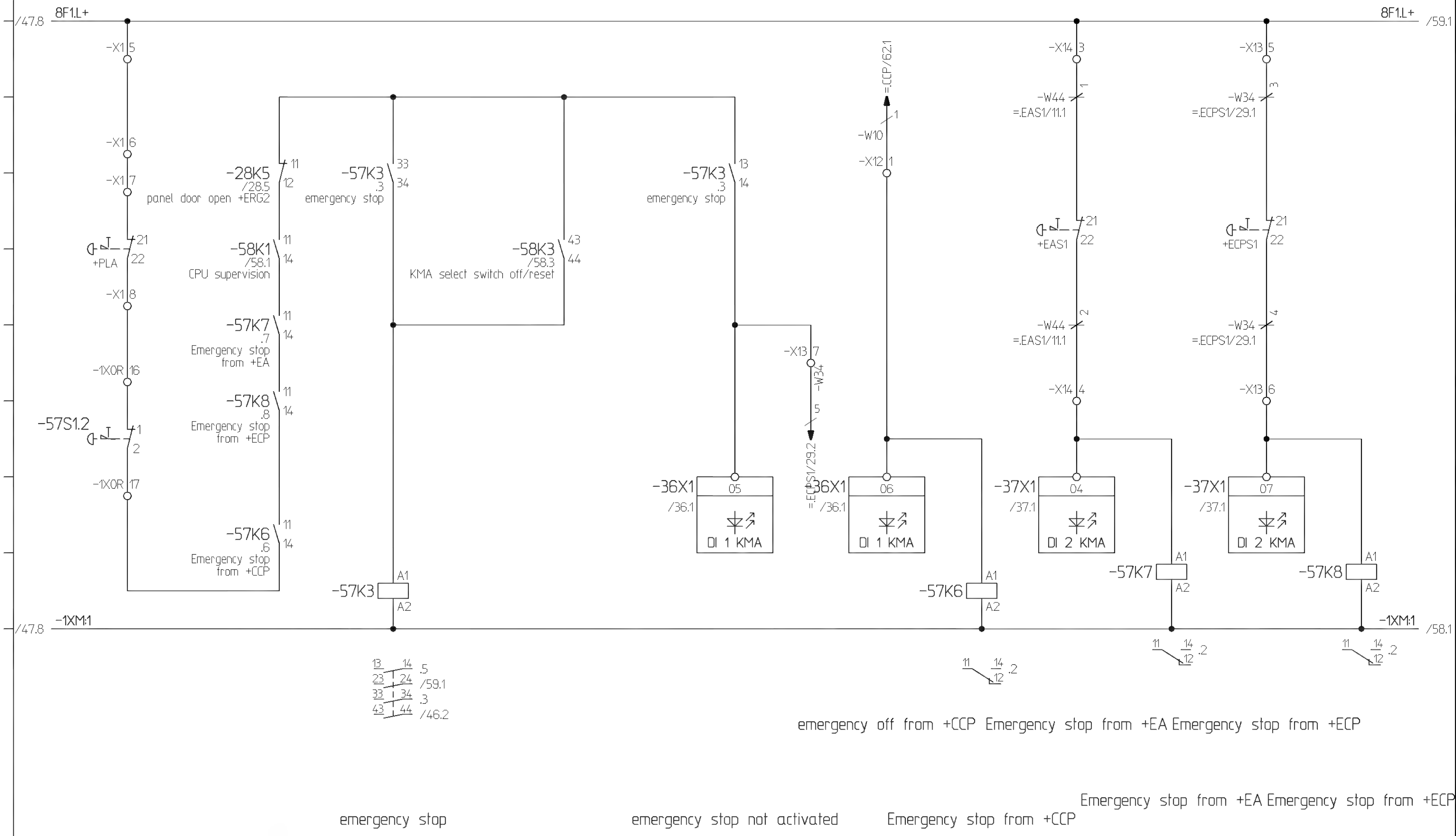
Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPS1
				Check	A. Stellmann			Generator control panel Sulzer 1	43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 55 / 72 BL



mains operation

Bildbeschreibung
IMAGE DESCRIPTION
Signals to +ECP

Index	changing	Date	name						
				Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 56 / 72 BL
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			



Bildbeschreibung IMAGE DESCRIPTION: genset emerg.stop

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

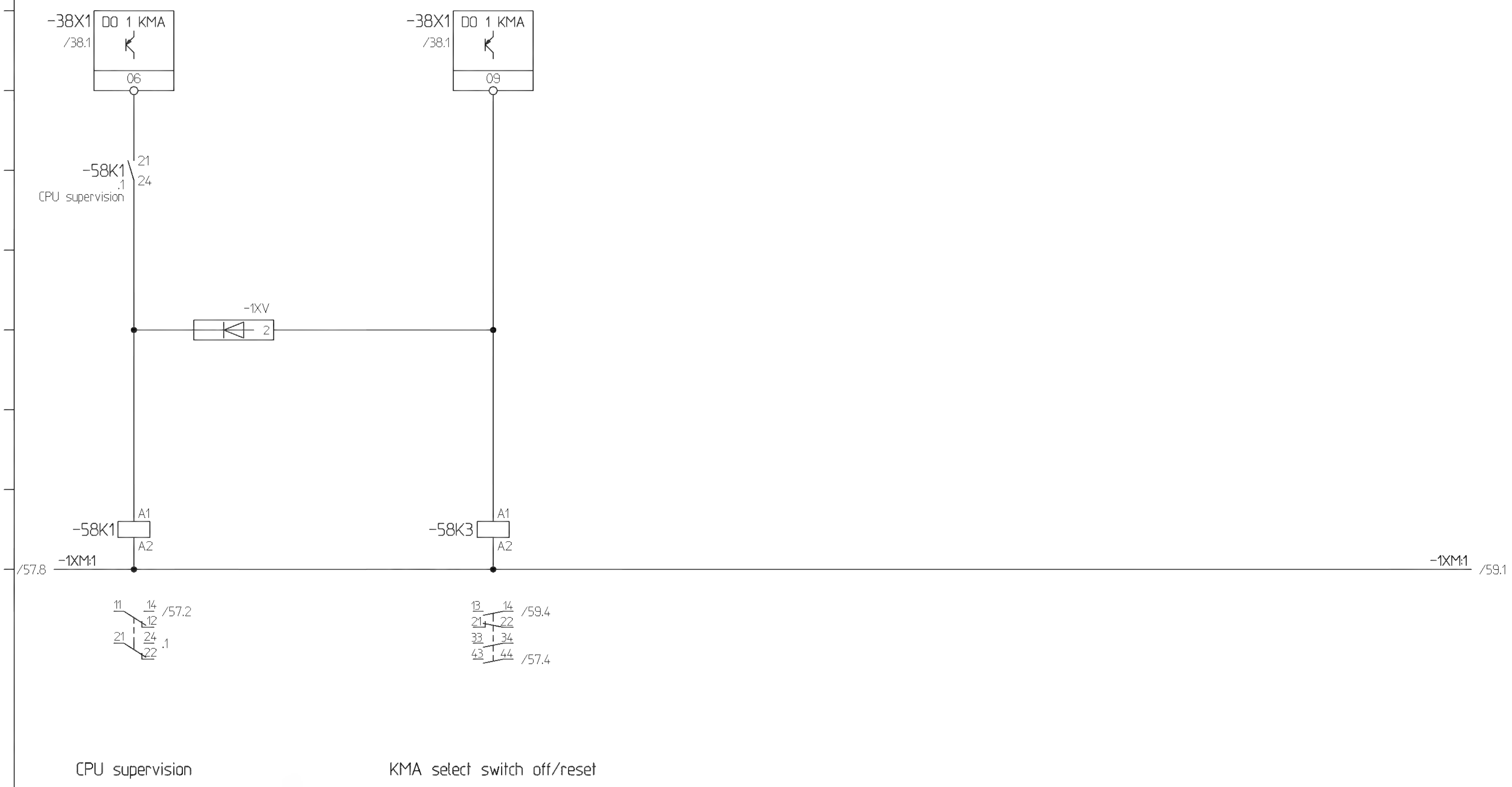
Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501
43730 | 437300

=DPP
+GCPS1



Bildbeschreibung / IMAGE DESCRIPTION: CPU supervision

Index	changing	Date	name	Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ersf. | Ers.d. 11.09.03

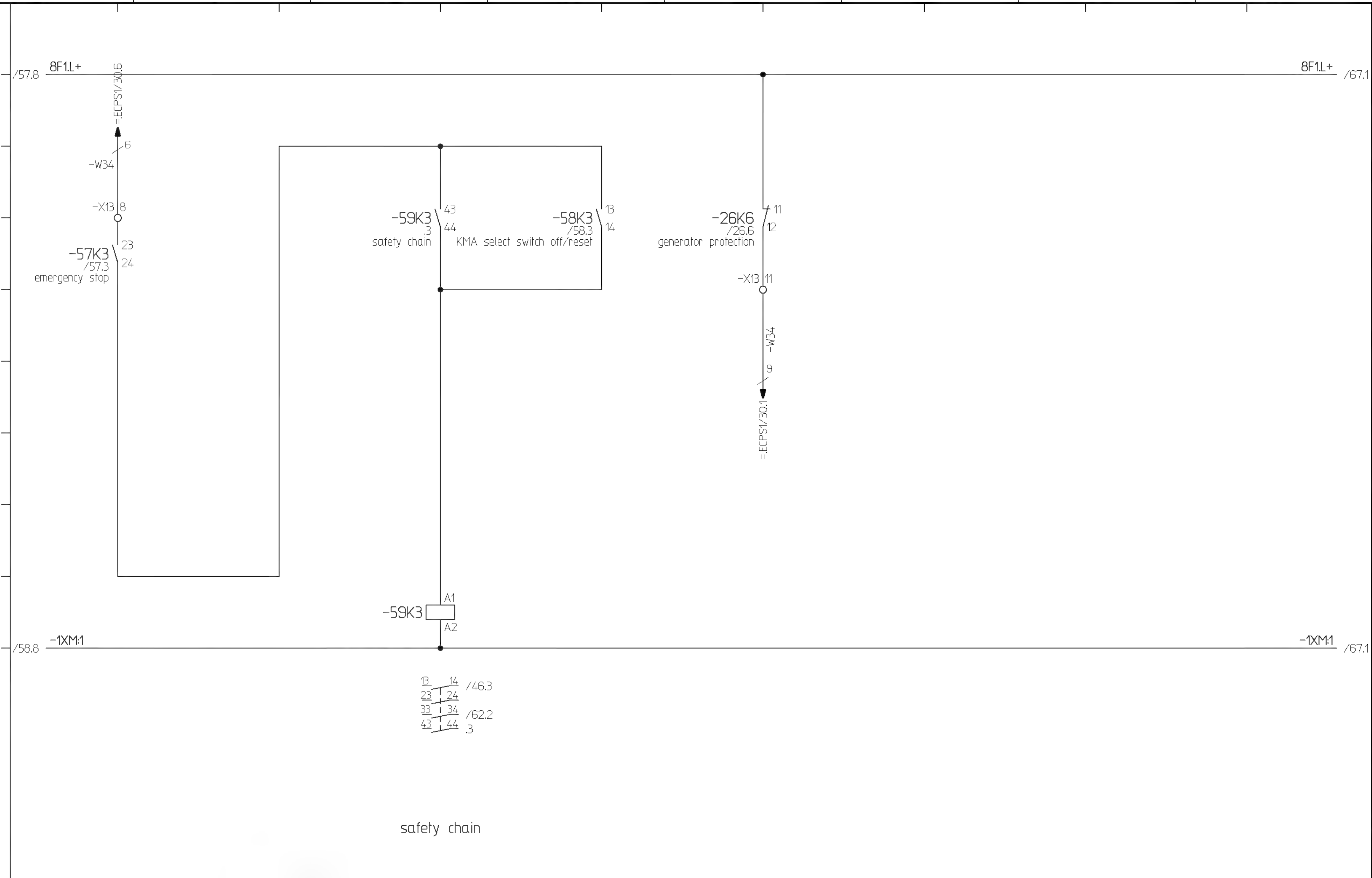
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

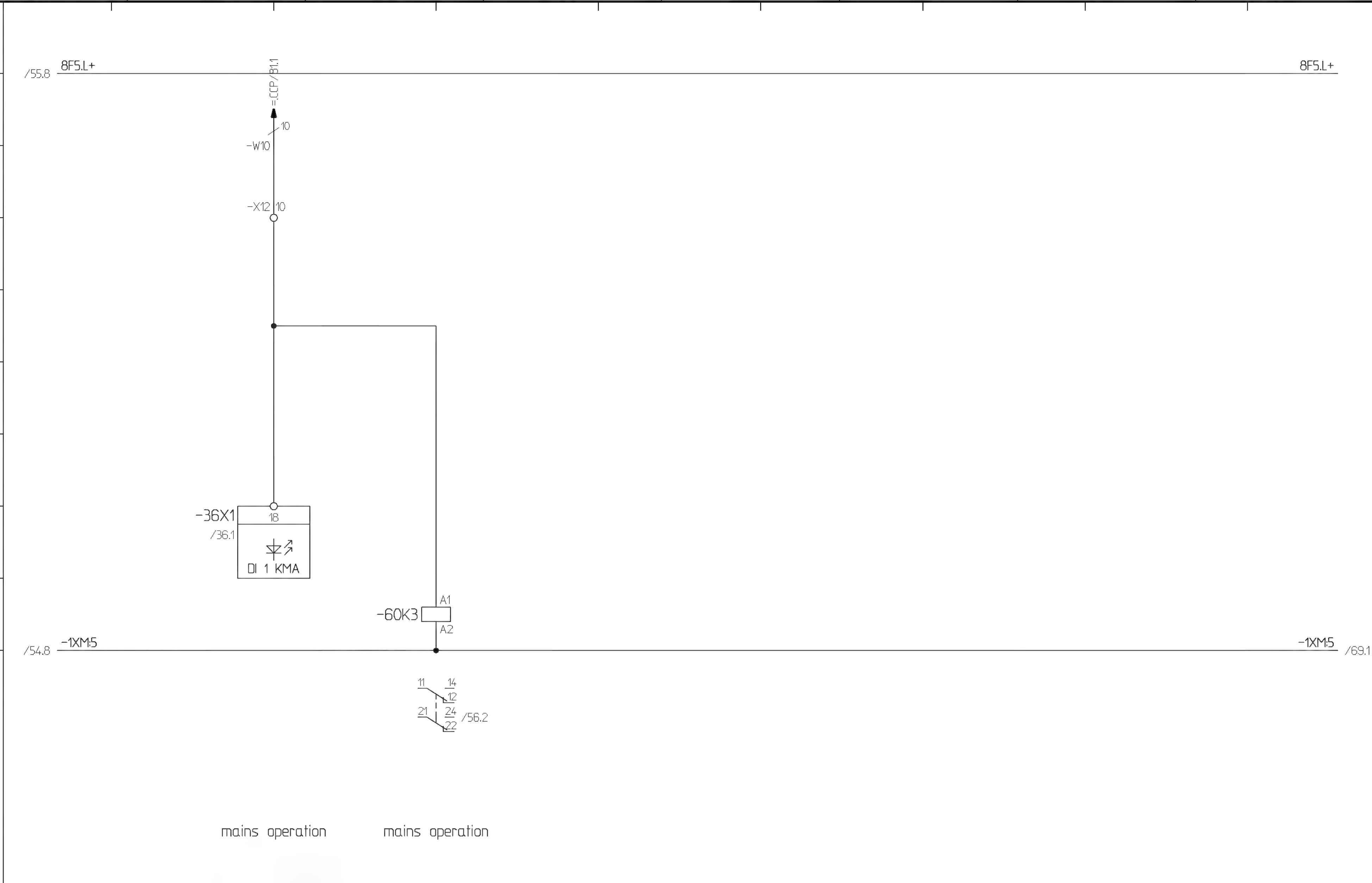
43730 | 437300

=DPP
+GCPS1



Bildbeschreibung
IMAGE DESCRIPTION safety chain

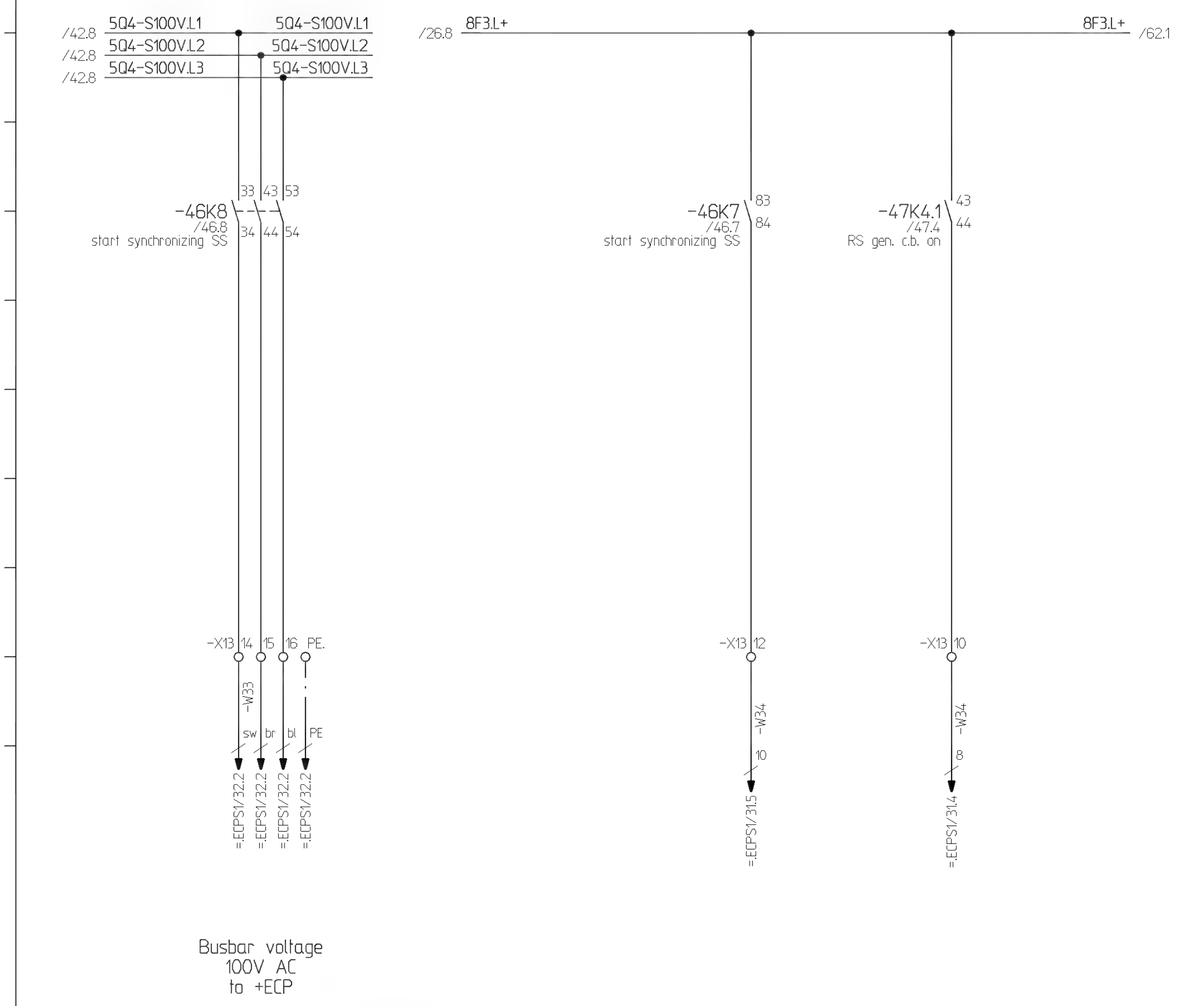
Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730 / 437300	page 59 / 72 BL
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			



Bildbeschreibung
IMAGE DESCRIPTION

mains operat.,cos phi control.enabled

			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
			Desig.	A. Stellmann					
			Check	A. Stellmann				43730 / 437300	page 60 / 72 BL
Index	changing	Date	name	Norm	33	Orig. / Ersf.	Ers.d. 11.09.03		



Bildbeschreibung / IMAGE DESCRIPTION: Control voltage regulator

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

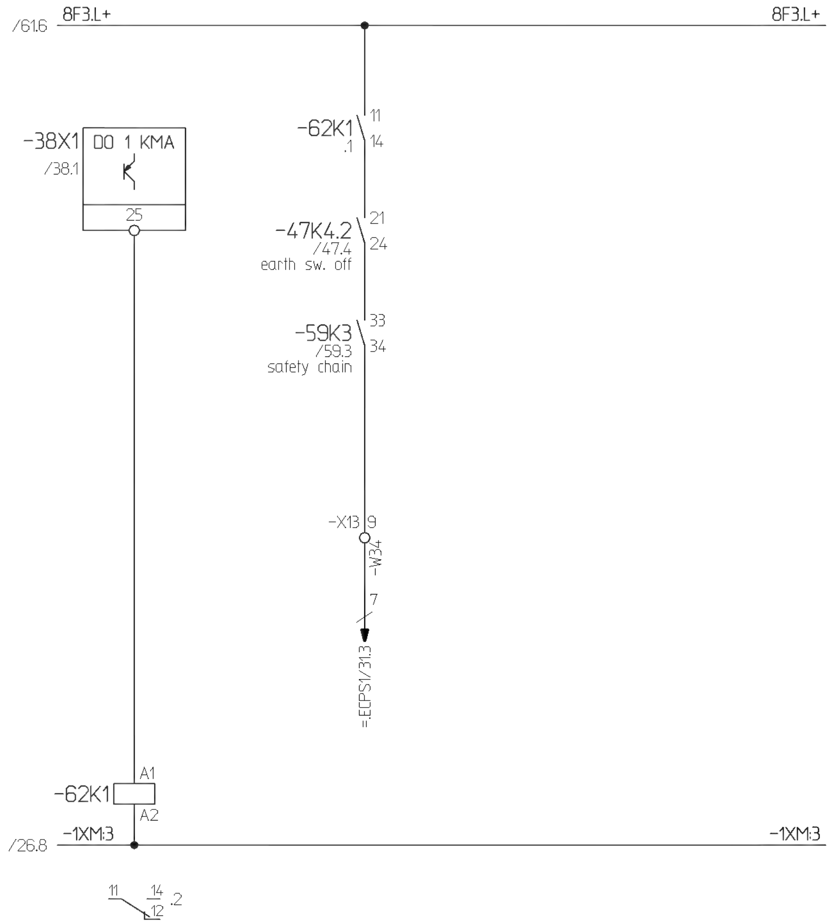
Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501
43730 | 437300

=DPP
+GCPS1



gen. exciting on

gen. exciting on

Bildbeschreibung IMAGE DESCRIPTION: gen. excitation control

			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines
			Desig.	A. Stellmann	
			Check	A. Stellmann	
Index	changing	Date	name	Norm	33

Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501 | 43730 | 437300

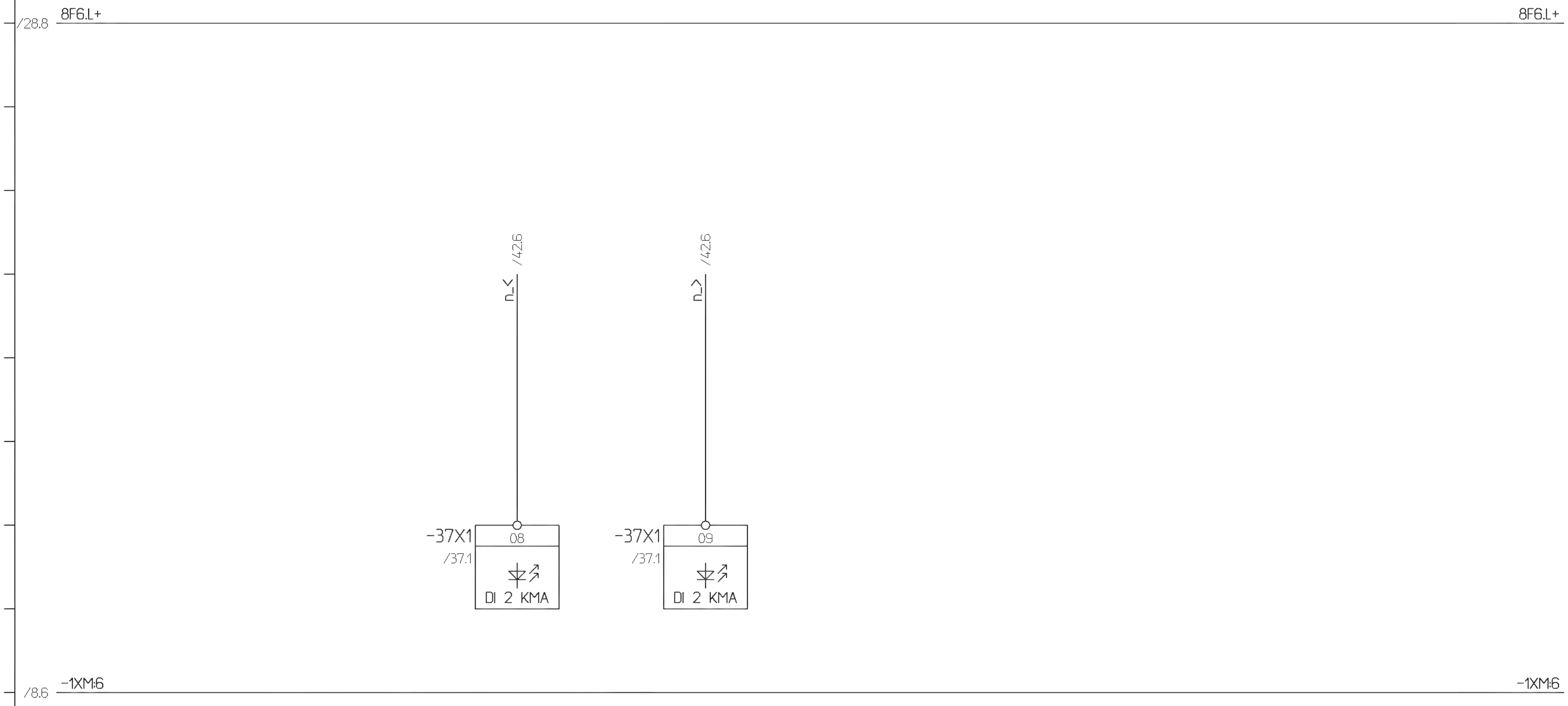
=DPP
+GCPS1

page 62
72 BL

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name	Norm	33	Orig.	Ers.f.	Ers.d. 11.09.03			
				Date	08.07.03	Elektrim-MEGADEX		KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines			MST 5"/10"PC		+GCPS1
				Check	A. Stellmann				Generator control panel Sulzer 1	43730 / 437300	page 63 / 72 BL



KSY speed decrease KSY speed increase

Bildbeschreibung
IMAGE DESCRIPTION speed control system

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. Ers.f. Ers.d. 11.09.03

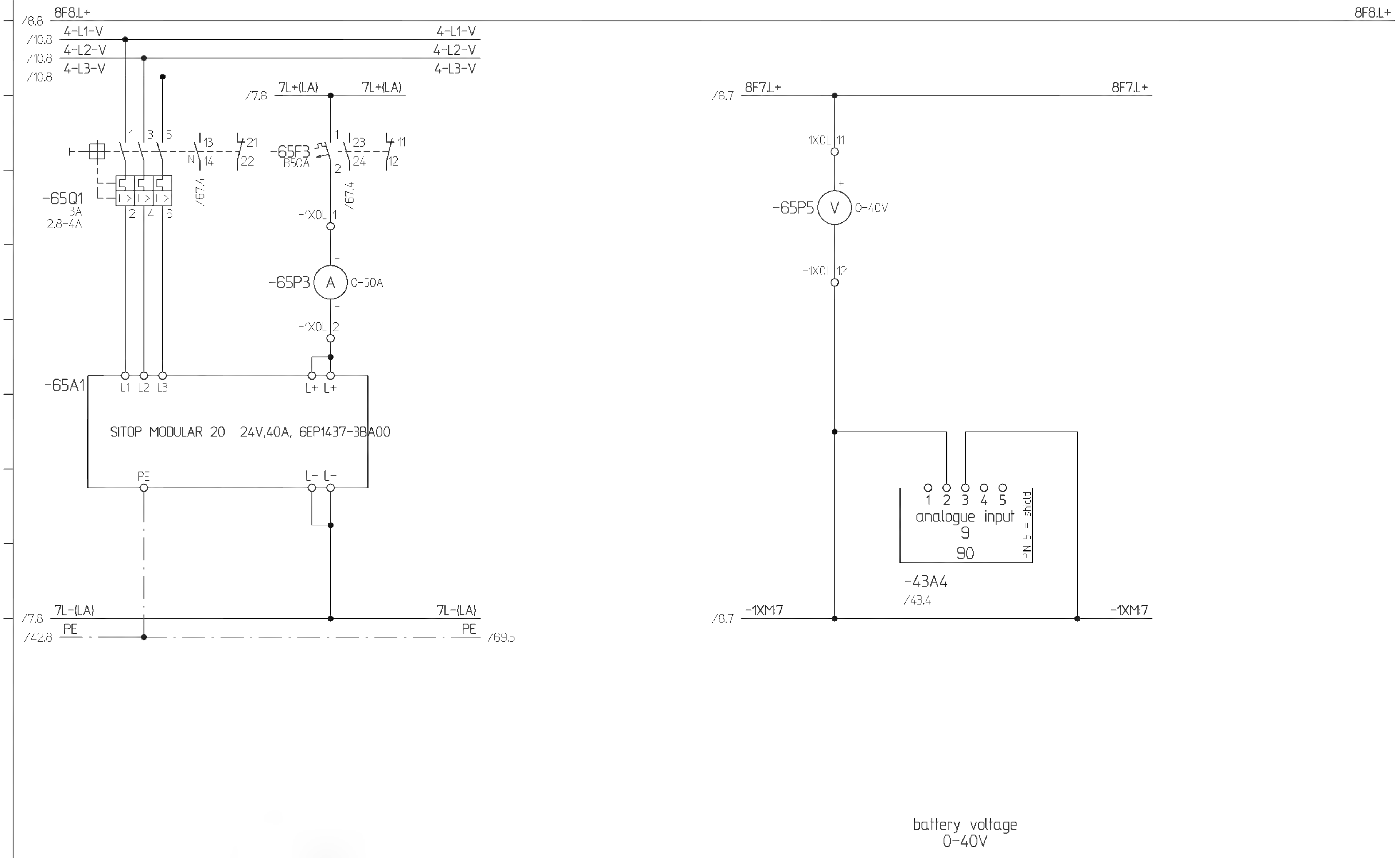
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 437300

=DPP
+GCPS1



Bildbeschreibung
IMAGE DESCRIPTION
Battery charger

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann				43730	437300
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			page 65 / 72 BL

Bildbeschreibung
IMAGE DESCRIPTION

spare

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

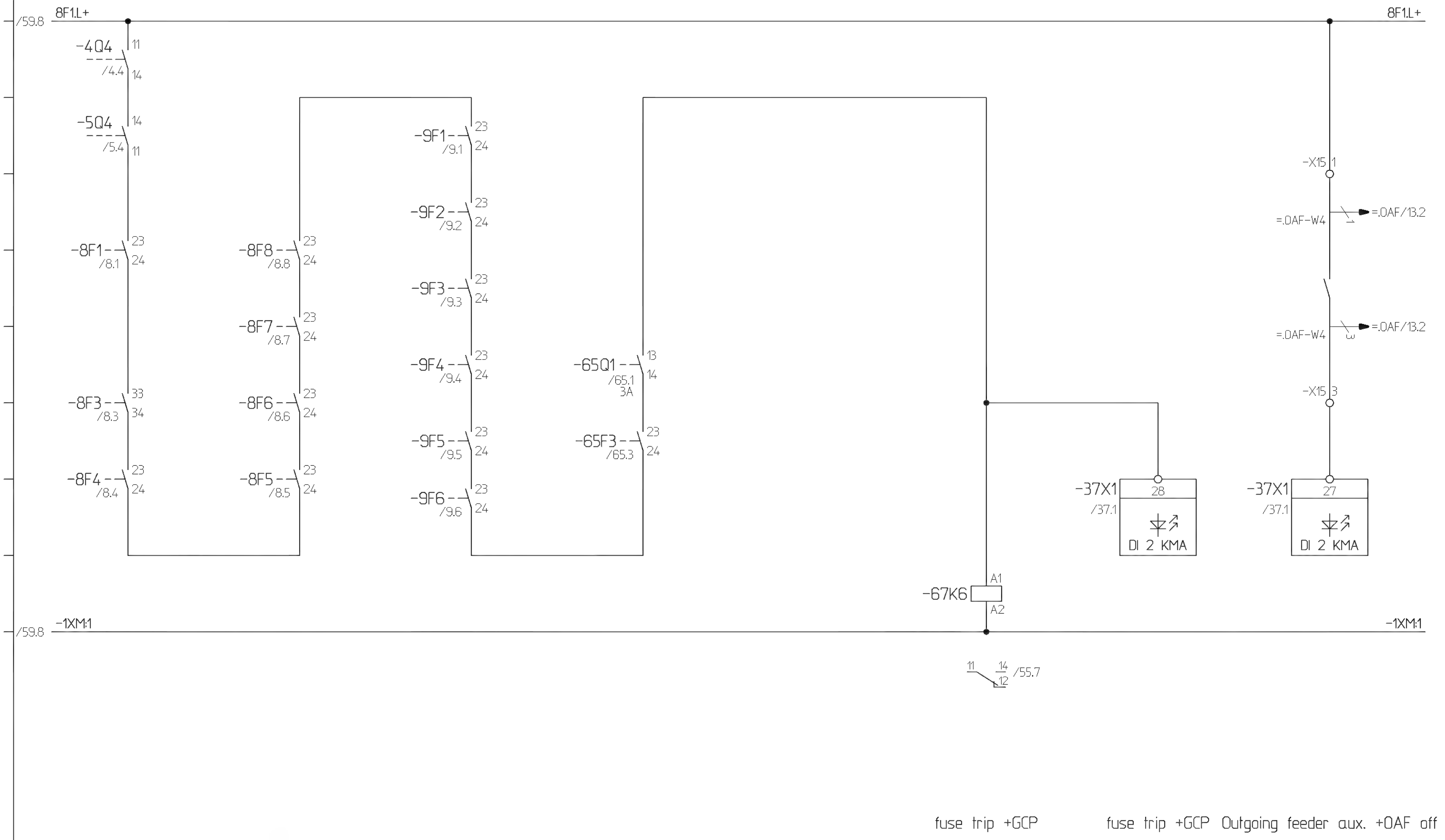
KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501

43730 | 437300

=DPP
+GCPS1



Bildbeschreibung IMAGE DESCRIPTION: Fuse monitoring, feeder +0AF off

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

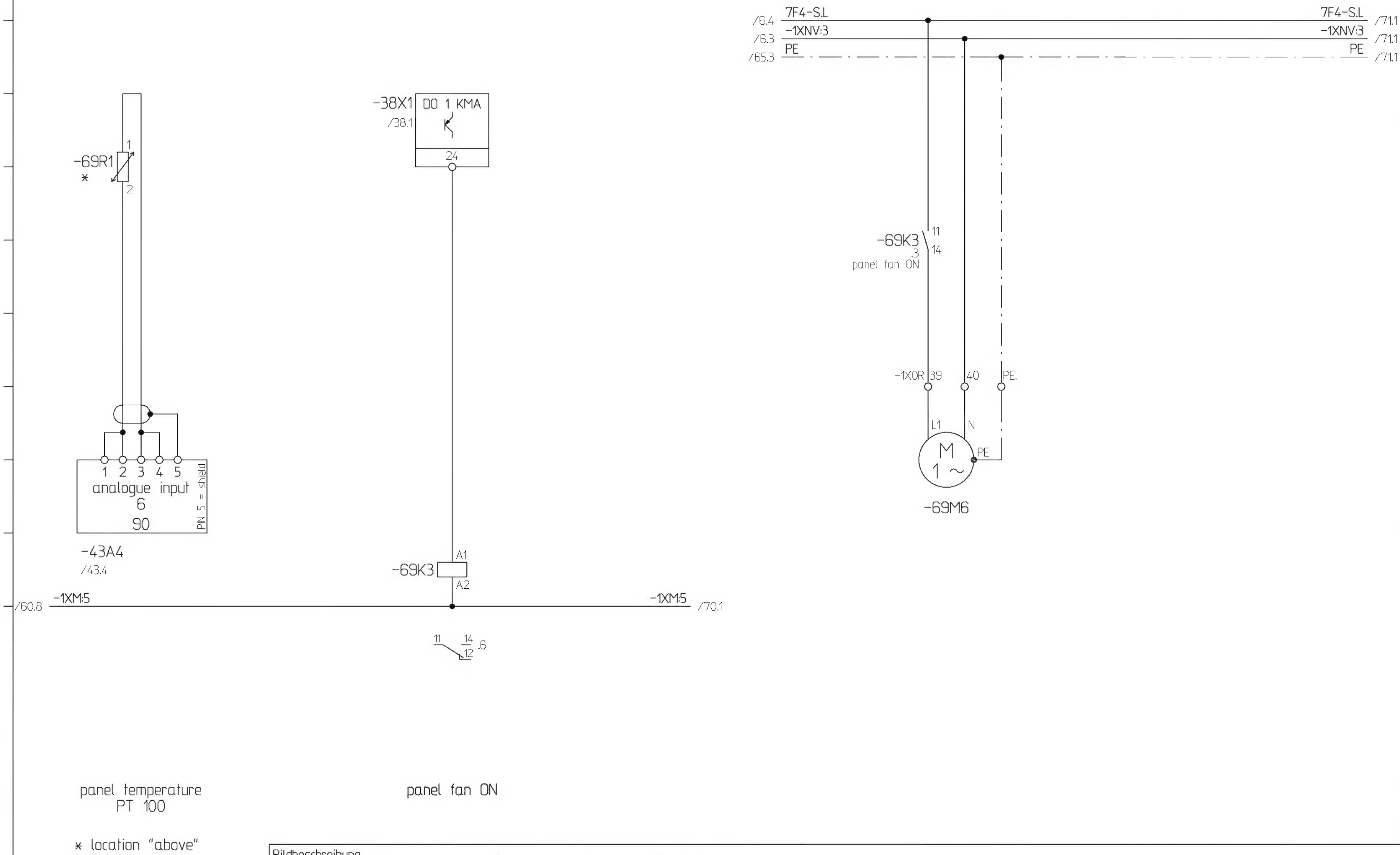
4500005501

43730 | 437300

=DPP
+GCPS1

Bildbeschreibung
IMAGE DESCRIPTION spare

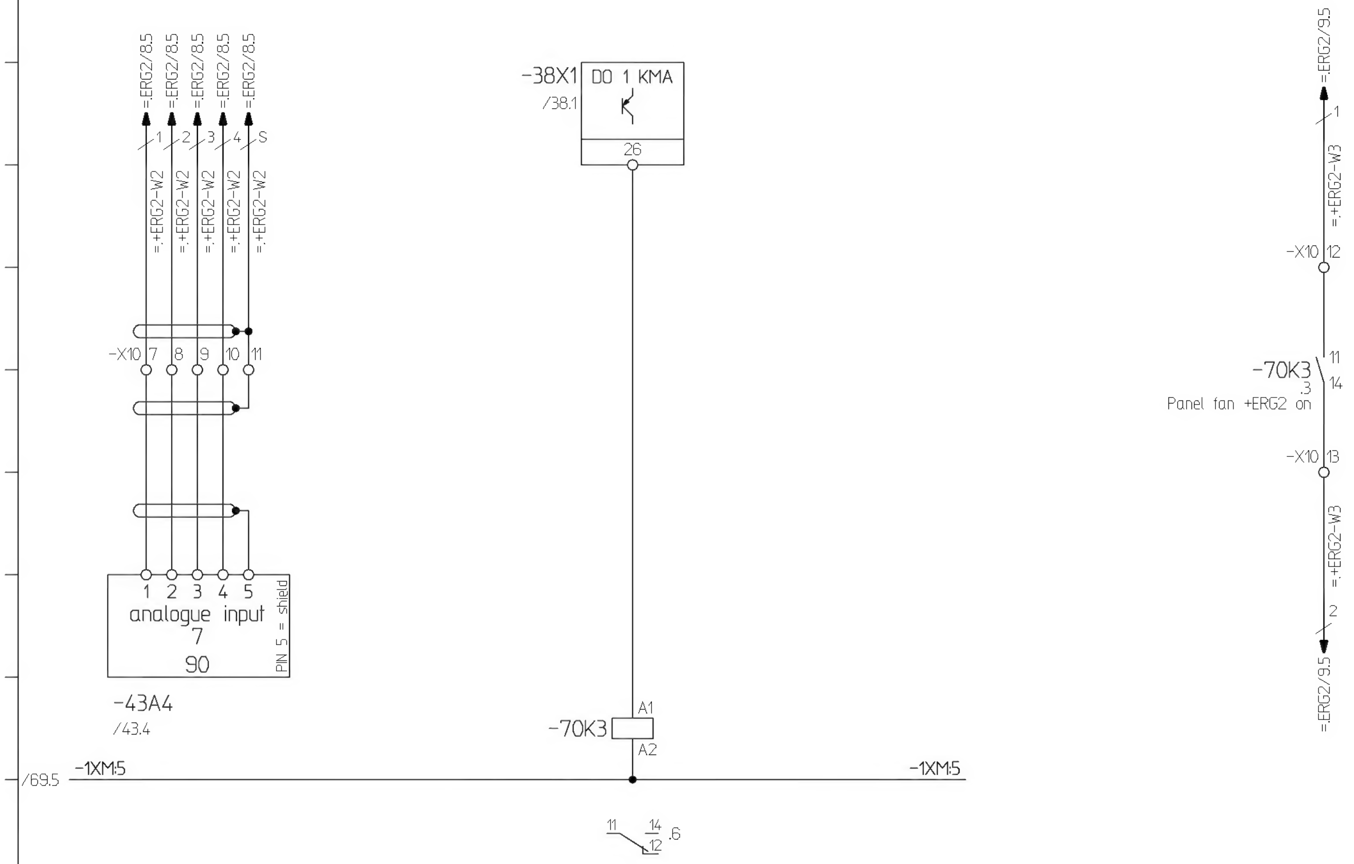
Index	changing	Date	name							
				Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
				Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPS1
				Check	A. Stellmann			Generator control panel Sulzer 1	43730 437300	page 68
				Norm	33	Orig. Ers.f.	Ers.d. 11.09.03			72 BL



Bildbeschreibung
IMAGE DESCRIPTION: panel temperature control system

Date	08.07.03	Elektrim-MEGADEX	KUHSE	DPP 5(7) Syn.	4500005501	=DPP
Desig.	A. Stellmann	Monde Energy Philippines		MST 5"/10"PC		+GCPS1
Check	A. Stellmann			Generator control panel Sulzer 1	43730	437300
Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03			

Index | changing | Date | name



panel temperature +ERG2
PT100

Panel fan +ERG2 on

Bildbeschreibung IMAGE DESCRIPTION	panel temperature +ERG2

Index	changing	Date	name		
				Date	08.07.03
				Desig.	A. Stellmann
				Check	A. Stellmann
				Norm	33

Elektrim-MEGADEX
Monde Energy Philippines

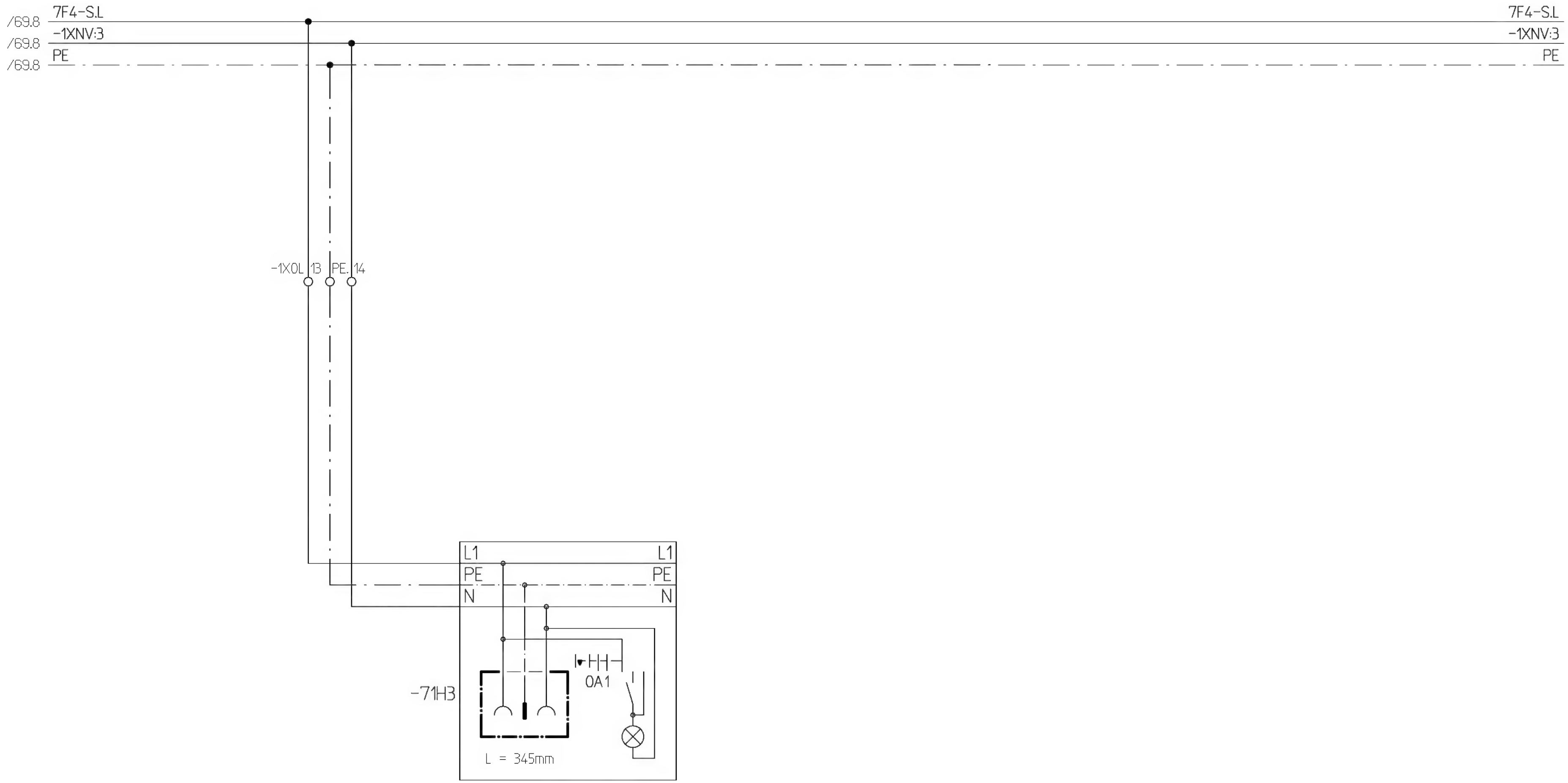
Orig. | Ers.f. | Ers.d. 11.09.03

KUHSE

DPP 5(7) Syn.
MST 5"/10"PC
Generator control panel Sulzer 1

4500005501
43730 | 437300

=DPP
+GCPS1



Bildbeschreibung
IMAGE DESCRIPTION switchboard light

			Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501		=DPP +GCPS1
			Desig.	A. Stellmann						
			Check	A. Stellmann				43730	437300	page 71
Index	changing	Date	name Norm	33	Orig. Ersf.	Ers.d. 11.09.03				72 BL

Bildbeschreibung
IMAGE DESCRIPTION
spare

Index	changing	Date	name	Date	08.07.03	Elektrim-MEGADEX Monde Energy Philippines	KUHSE	DPP 5(7) Syn. MST 5"/10"PC Generator control panel Sulzer 1	4500005501	=DPP +GCPS1
				Desig.	A. Stellmann					
				Check	A. Stellmann					
				Norm	33	Orig. / Ers.f.	Ers.d. 11.09.03		43730 / 437300	page 72 / 72 Bl.